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Volume 132 SEPTEMBER 13, 1937 Number 11

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Volume 132 SEPTEMBER 13, 1937 Number 11

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Chemical Import Shipments Down

Lowest in Five Months, but Are 33 Percent Above Same Month Last Year

Imports of chemicals, drying oils, drying oil seeds, and related products, during the month of July, were valued at $16,487,000, against $18,445,000 for the preceding month; $20,777,500 in May; $21,346,500 in April, and $23,118,400 in March, during which a six-year record was established, according to T. W. Delahanty, acting chief of the Chemical Division of the Bureau of Foreign and domestic commerce. While the decline was a continuation of the trend of the last four months, the value was still approximately 33 percent above that of July, 1936.

Compared with June, the decline in July was due to smaller receipts of flaxseed, gums and resins, pyrites, coal-tar products, fertilizer materials, and certain industrial chemicals. Receipts of flaxseed aggregated 2,063,000 bushels, compared with 2,661,400 bushels in the preceding month, and 116,800 bushels in July, 1936, according to preliminary statistics. Tung oil receipts totaled 21,053,000 pounds, against 17,726,000 pounds in June and 15,576,000 pounds in July last year. During the first seven months of this year, tung oil arrivals aggregated 117,000,000 pounds, compared with 39,000,000 pounds in the corresponding period of 1936.

Import trade in Manchurian perilla oil has shown signs of revival in recent months, 8,993,000 pounds being imported in June and 5,643,000 pounds being recorded for July, bringing the total to 23,781,000 pounds for the first seven months of the year. In the first seven months of last year, prior to the placing of an excise tax on this product, 99,000,000 pounds of perilla oil were imported, 18,000,000 pounds being brought in during July alone.

Imports of fertilizer materials dropped sharply in July to 77,060 tons valued at $2,002,000 from 119,153 tons valued at $2,616,500 during the preceding month due mainly to smaller receipts of Chilean nitrate, receipts of which declined from 52,578 tons to 6,773 tons.

Receipts of industrial chemicals were also down in July, the total for the month being valued at $2,260,000 against $2,561,000 in June, but were still substantially above the total value of $1,824,000 recorded for July, 1936. In this classification receipts of glycerin, both crude and refined, continued

(Continued on page 32)

Ammonia Sulphate Dumping Ban Off

WASHINGTON, Sept. 9.

The Treasury Department has vacated its antidumping orders against sulphate of ammonia from Poland, Germany, and Belgium as of August 13, 1932, the date the orders were issued.

New evidence, which was not before the department at the time the findings of dumping were made, has forced the conclusion that the findings were not justified, the official announcement said:

The exact effect on recent importations is doubtful, according to treasury officials. Under the law, importers may appeal from appraisals within sixty days; but, if an appraisal is not contested within that period, importers have no redress at a later date. Appraisals of a number of shipments of sulphate of ammonia imported from the three countries during the time the dumping orders were in effect have been appealed, the department said, and are now in litigation.

Petroleum Industry Is Without Trade Rules

F.T.C. Rescinds 1931 Canons, But Does Not Approve Proposed New Code

The Federal Trade Commission has issued an order formally rescinding the trade practice rules promulgated August 10, 1931, for the petroleum industry, and also has refused to approve the new rules proposed by members of the industry on the basis that, in the form presented to the commission, they would be contrary to law and the public interest. The commission's order states that the industry will be afforded full opportunity to present for its approval such amendments of or substitutions for the rules as will be in harmony with the law.

In a statement issued by the commission it is set forth that the operations in the Pacific Coast area, and particularly in the State of California, after the invalidation of the N. R. A., purporting

(Continued on page 52)

A.M.A. Wants To Control All Medical and Health Patents

Fishbein Cites Insulin 'Monopoly' and Copper-Iron Squabble in Proposing Share of Profits For Physician Inventors

ROCHESTER, Sept. 7, 1937.

Creation by the American Medical Association of a holding corporation for the administration of patents in the medical and health fields was advocated in a paper read before the American Chemical Society today by Dr. Morris Fishbein, Chicago, editor of the association's journal.

Dr. Fishbein argued for the sharing of profits on medical patents by doctors on whose inventions or discoveries these are based. He would change the code of medical ethics to permit this compensatory return. He made a strong point of the fact that Dr. F. C. Banting, the physician associated in the discovery of insulin, got nothing in the way of a financial reward, and he declared that others associated in this discovery had had advantages of royalties therefrom. This declaration was contradicted by Dr. F. L. Hutchinson, former chairman of the University of Toronto insulin committee, who said that none of the chemists had received any personal financial rewards.

Dr. Fishbein argued that the system of university foundations for holding patents was full of confusion, errors, and legal difficulties, and led to vicious criticism of discoverers and their schools. He saw in this the necessity for control by some "unbiased" body—in which category he named the American Medical Association!

Some question was raised with respect to the medical organization in the proposed role; Dr. Fishbein explained that direction of the affairs of the holding corporation would be shared by all participating bodies. But, he said:—

Such a holding corporation as has been suggested would be responsible to the board of trustees of the American Medical Association, who in turn are responsible to the house of delegates. The association is a corporation not for profit with an obligation primarily to the public. Beyond the original financial investment of setting up the holding corporation there would seem to be no question of cost to the medical profession for such an activity.

The ability of the management of the association to conduct its affairs with a minimum of wastage and with considerable success from a business and economic point of view should indicate the likelihood of success in such a venture.

Insulin 'Monopoly' Alleged

The University of Toronto, in its administration of the insulin patent, was criticized by Dr. Fishbein for giving a year's monopoly to Eli Lilly & Co. in the marketing of this drug, and thus handicapping, he charged, other manufacturers who got manufacturing rights later.

Passing on to other patent matters cogent to his argument, he said:—

The patents which have aroused the most debate and trouble at present are the scarlet fever patents held by the Scarlet Fever Foundation, the copper-iron patent held by the University of Wisconsin, and perhaps also the various patents concerned with the production of vitamin D and vitamin D products. The sun in the sky should be freely available to all who wish to see it. Yet it has been hinted that there are some concerned with patents on vitamin D who would even inhibit investigators from experimenting with the sun.

Competitive jealousy and secrecy and lack of cooperation are engendered within university and other research staffs and among such organizations by the existing system of patent control, Dr. Fishbein charged. He felt that this situation handicapped research and resulted in detriment to the public health. He pointed out also the possibility that profit-making by universities in patent exploitation would jeopardize their exemption from taxation.

Status of Physicians

With reference to the position of the physician, ethically bound to refuse remuneration from his contributions to the practice and armamentarium of his profession, Dr. Fishbein said:—

When our civilization was such as to safeguard the physician, considering him as one who gave freely of his knowledge and service to mankind and therefore en-

(Continued on page 46)

Helium Export Rules Issued by State Dept.

WASHINGTON, Sept. 7, 1937.

Regulations under the new helium export law have been promulgated by the Department of State on behalf of the interdepartmental National Munitions Control Board.

The regulations cover only export licenses and do not relate to the production or sale of helium, which becomes virtually a monopoly in the Bureau of Mines under the terms of the new act.

Special forms have been prepared for applications for export licenses, on which the exporter must give detailed information regarding the quantity, consignee, method of shipment, and purposes for which the helium is to be used. Applicants must show evidence that there will be no unnecessary waste of gas, and on subsequent orders the exporter must give information regarding the disposition and use of previous shipments. Licenses for less than 20,000 cubic-feet to one consignee in a year or for less than 500,000 cubic-feet to any one country in any one year will be issued by the Department of State, provided the helium is to be used for medical, scientific, or commercial use other than the inflation of airships. Licenses for the export of helium in larger quantities for the inflation of airships must be approved by the munitions board and by the Secretary of the Interior and must be accompanied by proof that the shipment is not of military importance.

The law does not permit the export of helium under any conditions for the inflation of airships operating between two foreign countries, even though also touching some point in the United States, but the use of helium in a foreign-going airship of American registry commanded by an American citizen is not considered exportation.

British Control Odda Carbide

The British Oxygen Company, leading factor in compressed gases manufacture in the United Kingdom, has obtained permission of the Norwegian Government to acquire 1,430 of the 1,700 shares of the Odda Smelteverk, largest producer of calcium carbide in Norway, according to information received by the Department of Commerce from the trade commissioner at London. The British concern has been the chief consumer of the carbide produced in the Odda plant.

Synthetic Resins Industry Large User of Chemicals

ROCHESTER, Sept. 9, 1937.

Synthetic resin production in United States has increased a hundredfold in fifteen years and has become a major consumer of chemical products, Dr. Gustavus J. Esselen and Frederick S. Bacon, Boston, said this afternoon in an address on "The Plastics Industry and Its Raw Materials Demands" before a session of the American Chemical Society.

Used in making innumerable molded articles, from buttons to radio cabinets, from modern quick-drying paints to safety glass, new types of synthetic resins are swiftly creating demands of major proportions for chemicals derived from cellulose, coal, salt, sulphur, water, air, and limestone, Dr. Esselen reported. Taking up the details of this wide field of materials upon which the synthetic resin industry draws, he said:—

Production of coaltar resins in 1936 amounted to 116,335,000 pounds, or nearly three times the 1933 output. During the same period, the production of resins from other non-coaltar raw materials increased from about 3,333,333 pounds in 1933 to 15,500,000 pounds in 1936, a fivefold growth.

The hundredfold growth of the industry during the past fifteen years has not only magnified markets for familiar materials, but it has required the production on a huge scale of numbers of materials entirely new in commerce. The effects of this rapidly growing demand are vitally important in the economic picture of chemical industry.

The choice of plastic for a specified purpose often depends upon the raw materials available. When huge tonnages of intricate synthetics must serve as intermediates for further processing, the user may well examine the raw material situation carefully before committing himself to a particular plastic.

Choice of Materials Is Wide

All the raw materials now used in making synthetic resins can be derived from a very few natural products—cellulose, coal, petroleum, salt, sulphur, water, air, and limestone. Of none of these is there any reasonable likelihood of a shortage or a wide fluctuation of price. In some instances, it is more convenient to utilize petroleum and natural gas as sources of the same types of intermediate compounds

(Continued on page 29)

Closing Market Developments

London Closing Cable

LONDON, Sept. 10, 1937.

Quotations on carnauba wax were 172s. 6d. per hundredweight.

Dried Blood Higher

Holders of the limited quantity of dried blood in New York advanced asking quotations from $3.40 per unit to $3.50 per unit.

Tin Derivatives Higher

Tin derivatives were higher at the close of the week, reflecting an increase in Straits tin to 59⅝c. per pound. Tin oxide was listed at 60c. to 62c. per pound; tin crystals, 43c. to 43½c. per pound; soda stannate, 38c. to 41c. per pound, and anhydrous tetrachloride of tin was 30c. per pound.

Flax and Corn Crops

The monthly government crop report, issued late on Friday, estimated the flaxseed crop as of September 1 at 7,640,000 bushels against 8,014,000 bushels a month earlier and a production last year of 5,908,000 bushels. The indicated corn crop was 2,549,281,000 bushels against 2,658,748,000 bushels in the previous month and a yield last year of 1,529,327,000 bushels.

Foreign Tariff Notes

Information recently published by the Department of Commerce on foreign tariffs and related trade regulations includes the following data:—

Benzol:—Netherlands has removed the quota restrictions on imports of benzol, effective August 1, and increased the import duty from 1.25 florins to 3 florins per 100 kilos.

Bleaching Earths:—Austria has made imports of bleaching earths, heretofore duty free, subject to a duty of 2.50 gold crowns per 100 kilos, effective August 5.

Bromate of Potash:—Argentina, by a new decree, permits the importation of bromate of potash, which had been prohibited by a decree of 1935, subject to control by the National Department of Hygiene.

Magnesium:—Germany has cancelled the requirement for special licenses for exports of magnesium, effective July 10.

Margarin:—Norway has increased the tax on margarin, imported or manufactured domestically, from 0.03 crown to 0.05 crown per kilo.

Mineral Oils:—France has applied the minimum tariff rates to crude mineral oils, and to their derivatives and residues imported into the assimilated French Colonies from Bahrein.

Mineral Oil Distillates:—Japan has increased the import duty on light distillates of mineral oils.

Molasses, Denatured:—Japan has decreased the import duty on denatured molasses.

Motor Fuel:—Latvia, by ministerial decree, effective June 22, has abolished the compulsory admixture of domestic alcohol with motor fuel. The decree establishes a tax of 0.04 lat per kilogram on motor fuel to defray the expenses of price regulation.

Pharmaceuticals:—Venezuela, its Congress having failed to act on its proposed pharmacy law, has put the new pharmaceutical regulations into full effect. However, the Inspector of Pharmacies, August 24, gave assurance that American pharmaceuticals already shipped would not be penalized for nonconformity with the new regulations, but that henceforth all shipments must meet the requirements.

Phosphate and Potash Compounds:—France, according to a notice published July 24, will permit samples of phosphate and potash compounds weighing 100 kilos or less to be imported without special import license until further notice.

Rubber Paste:—Germany has cancelled the requirement for special export licenses for exports of soft rubber paste, colored or mixed with asbestos, graphite, or other substances, effective July 1.

Soybean Oil:—Martinique, by an order of May 27, made the French import duty reductions on soybean oil, non-applicable in Martinique.

Chemical Price Structure Firm

Price changes in the markets for heavy and fine chemicals last week were neither many nor of major importance, and the general structure was firm, with no appreciable change in the indicative average. Business manifested no post-holiday spurt, but the movement of materials was of gratifying volume. Shipments of phenol into domestic and export markets were heavy. Demand for benzol broadened, but there was an easing off in calls for cresylic acid.

The sentiment with respect to the fourth quarter was optimistic; it had a good foundation in the volume of business already booked. The general expectation was that the heavier consuming industries would be more active than the lighter, especially the textile industry.

Prices were advanced on podophyllin, Batavia and Singapore dammars, East Indian, Manila, and Pontianak copals, dried blood at Chicago, and imported dried blood. Prices were reduced on imported dicalcium phosphate, natural methylacetone, sulphanilamide, menhaden meal at Baltimore, bone meal at Chicago, imported raw bone and domestic bone at Atlantic ports, and Hiroe copal chips.

The REPORTER'S composite index number of prices for heavy and fine chemicals remained at 127.4 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 90.2, against 88.7 at this time last year.

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Fair Trade Board Members Appointed

Representatives on the National Fair Trade Board have been named by the National Association of Retail Druggists and the National Association of Chain Drug Stores. This board is the body created at the recent Chicago conference to prepare, examine and approve as to form contracts to be used under State fair trade laws.

The N. A. R. D. representatives on the board are John A. Goode, Asheville, N. C.; Dr. Robert L. Swain, Baltimore; Dr. E. F. Kelly, Washington; John W. Dargavel, Chicago, and Rowland Jones, jr., Washington. Fred Griffiths, president of the Pennsylvania Drug Company, is the representative of the chain-store association.

Drug-Chemical Section Readies Shawnee Plans

The Drug, Chemical and Allied Trades Section of the New York Board of Trade will meet in Shawnee-on-Delaware, Pa., September 17 and 18. It will have its headquarters in the Buckwood inn and will hold there two business sessions, one on each of the two forenoons, a get-together dinner the first evening, and a good-time dinner with dancing the second evening. Facilities for other pastimes and diversions will be available.

Golf will be a feature of the meeting—Shawnee has a fine link. The special event will be the plenty-of-prizes tournament, to be played the afternoon of September 18. The qualifying round is set for the preceding afternoon. Rounds and rounds will dispose of individual spare time as occasion presents.

The program for the business sessions will include several speakers on timely topics. Dr. Robert L. Swain, member of the National Fair Trade Board, will speak on "Applying State Fair Trade Laws." An open discussion and question bee will follow; Hugo Mock, counsel for the Toilet Goods Association, has been invited to start the discussion.

United States Senator Royal S. Copeland is scheduled for an address on "Efforts to Revise the Food and Drugs Act"—a subject that has many "intriguing" angles. An informative presentation of the industrial and commercial aspects of the situation in the Far East is among the agenda.

Motion pictures showing the chemical utilization of seawater, the basic processes of the coaltar industry, and other interesting subjects will be exhibited.

There will be no speeches at the get-together dinner. Light and easy entertainment—classy withal—will be provided to fill in the gaps.

Shawnee can readily be reached by motor from all over. The special feature train for those who prefer conducted transportation, can be caught at Hoboken by leaving the Lackawanna connections in this city not later than 4:30 p.m., daylight time, September 16.

Chemical Salesmen to Play Golf Final September 14

The final golf party of the season of the Salesmen's Association of the American Chemical Industry will be held tomorrow at the Washington Irving Country Club, Tarrytown, N. Y.

The party will be an all-day affair, with eleven golf events, in which 24 prizes will be awarded, as follows:—Championship (low gross), class A handicap, class B handicap, CSA members kickers, 4-tournament kickers, guest kickers, guest low gross, low putts, longest drive on a given hole, nearest pin on a given hole, and a mystery prize. There will be the usual accompaniment of luncheon, dinner, and entertainment in the evening.

Oil Trades Outing Sept. 21

The seventeenth annual sports outing of the Oil Trades Association of New York will be held Tuesday, September 21, at the Pelham Country Club, Pelham Manor, N. Y.

N.P.A. to Discuss Laws, Labor and Regulation

The National Petroleum Association has planned a comprehensive program for its thirty-fifth annual meeting, to be held at the Hotel Traymore, Atlantic City, September 15 to 17 inclusive, and some of the outstanding matters to be brought before the convention in conferences or addresses are taxation, future regulation of business, the national labor relations act, the last congress and the coming congress, and legislated merchandising. The program follows:—

September 15; Wednesday

10:30 a.m.

Group conferences:—
Tax committee of the National Petroleum Association. Subcommittee on taxation, American Petroleum Industries Committee.

2:00 p.m.

Address:—By Charles L. Suhr, president of the association.
Appointment of committees.
Presentation, "Thirty-five Years of Cooperation," by W. R. Boyd, jr., executive vice-president, American Petroleum Institute; J. E. Moorhead, executive secretary, Pennsylvania Grade Crude Oil Association; H. T. Ashton, executive vice-president, Western Petroleum Refiners Association.
Address:—"Prospects of Future Regulation of Business," by Donald R. Richberg.
Report of nominating committee.
Election of trustees.

8:00 p.m.

Board of trustees meeting.

September 16; Thursday

10:00 a.m.

Group conferences:
Traffic and transportation, H. S. Elkins presiding.

2:00 p.m.

Address:—"Changing Relations Between Government and Business," by Ernest G. Draper, Assistant Secretary of Commerce.
Address:—"The Last Congress and the Coming Session," by Julian D. Conover, secretary, American Mining Congress.
Address:—"The National Labor Relations Act," by Charles Fahy, general counsel, National Labor Relations Board.
Address:—"Legislated Merchandising," by Edwin B. George, economist, Dun & Bradstreet, Inc.

6:30 p.m.

Fellowship banquet.
Speaker Fayette B. Dow, general counsel of the association.

September 17; Friday

11:00 a.m.

Seaview breakfast:—Members and their friends will be the guests of the association at the Seaview Golf Club.

N.P.V.L.A. Executive Nominees Are Selected

WASHINGTON, Sept. 9, 1937.

In accordance with the provisions of the by-laws the nominating committee of the National Paint, Varnish and Lacquer association has reported the following nominees for membership on the association's executive committee:—

E. A. Foy, jr., of the Foy Paint Company, Cincinnati.
Howard Kellogg, of Spencer Kellogg & Sons, Inc., Buffalo.
Benjamin Patterson, of the Patterson Sargent Company, Cleveland.
J. Vincent Reardon, of the Reardon Company, St. Louis.
C. N. Seidlitz, of the Seidlitz Paint & Varnish Company, Kansas City, Mo.
Harold Webster, of Pratt & Lambert, Inc., Buffalo.

The election for members of the executive committee will be held at the annual meeting which will be held in Cincinnati October 27 to 29.

Great Whaling Vessel Launched

The Unitas, reported to be the largest whaling vessel in the world, was launched last month in the Wiser River Shipyards, Bremen, Germany, according to information received by the Department of Commerce from the vice consul at Bremen. The vessel is of 21,000 gross tons, with a loading capacity of 30,000 metric tons; is equipped with the most modern whale-catching and cooking facilities and will carry a crew of 400 men.

Amarillo Paint Up Nets $130,465

A report on the 1937 paint up campaign in Amarillo, Texas, forwarded to the National Clean Up and Paint Up Bureau, Washington, indicates that 40,704 gallons of paint, with an estimated value of $130,465, were used by the citizens of that city on 11,498 jobs.

German Chemical Output Rising

Demand in Half Year So Strong Production Barely Kept Pace with Requirements

German production of chemicals and allied products continued to surge forward during the first half of 1937, as a result of the increased domestic and foreign demand, according to information received by the Department of Commerce from the consul at Frankfort-on-Main. Measured by the number of man-hours performed, a new record was reached. So strong was the demand that it was difficult for production to keep pace with the requirements for certain chemicals.

Considerable expansion in production capacity in various chemical branches—especially basic chemicals, industrial acids, alkalies, cellulose, and coaltar derivatives—took place to supply the raw materials for the newer synthetic substitute industries. The shortage of some chemical materials brought about a still closer official control and prohibitions upon the exportation, without government permit, of such products as phenols, lead, and copper sulphate. Insufficient supplies of imported technical oils and fats, lead, and other pigments, caused some inconvenience in the soap, paint, linoleum, and other consuming industries.

Difficulties were encountered in certain branches by shortages of skilled workers in the chemical plants, and by the need for more professional and scientific personnel, trained chemists, and engineers. The growing shortage of skilled workers was reflected to some extent by a lengthening of the average working day to 7.98 hours in May from 7.77 hours in May, 1936.

Exports contributed to the enlarged chemical output but the production gains continued to be due chiefly to the marked upswing of domestic economy and the national autarchic program, including utilization of domestic substitutes, which greatly increased the consumption of chemicals.

In contrast to the general improvement, however, demand for chemicals by certain other manufacturing industries such as finished textiles as distinguished from synthetic textile raw materials, leather footwear, etc., decreased. Medicinals, cosmetics, soap, and household chemicals likewise registered much smaller gains in sales than the heavy chemicals.

Of all major chemical branches, the fertilizer industry presented the most marked contrast to the general expansive production trend. Domestic trade returns for the fertilizer year 1936-37 showed the first signs of lagging sales since the 1931-32 low. Available data indicate that only slight gains, if any, occurred in the domestic fertilizer sales in 1936-37 compared with the heavy increases in 1935-36, notwithstanding governmental measures enforced to increase consumption of fertilizers.

Chemical exports advanced 21 percent in value, to 398,646,000 marks ($159,458,000), and 33 percent in volume over the first half of 1936—the highest value since 1931. Exports have expanded greatly to many raw material-supplying countries—especially Latin America, Scandinavia, the Baltic States, and various countries in eastern Europe, the Mediterranean basin, Asia Minor, and the Far East, partly owing to this compensation method. The greater part of the gains were due to marked increases for the leading groups, industrial chemicals, dyestuffs, fertilizers, medicinals, and explosives. The value of medicinal exports increased over one-third, to 56,000,000 marks; dyestuffs around one-fifth to 80,666,000 marks, and industrial chemicals one-tenth to 89,306,000 marks.

In keeping with its policy of national self-sufficiency, imports decreased to a new low level of 74,421,000 marks from 76,469,000 marks.

Paint Chemistry at A.C.S. Meeting

The division of paint and varnish chemistry of the American Chemical Society in sessions September 9 and 10, under the chairmanship of R. H. Kienle and G. M. Kline, at the Rochester meeting of the society, heard and discussed twenty-one papers. Four of these papers were abstracted in the REPORTER for September 6; abstracts of others are given below. Persons interested in these subjects, who were unable to attend the sessions of the division, may be assisted to get further particulars by communcating with the REPORTER.

Polymerization of Methyl Methacrylate

By D. E. Strain

(E. I. duPont de Nemours & Co.)

Recent developments have made commercially available a series of resins based on polymethacrylic esters which, because of their outstanding properties, are finding a wide variety of industrial applications. Studies of the reactions involved in converting these liquid monomers to resinous polymers afford information which in supplementing available data may ultimately lead to a clearer understanding of the nature of polymerization reactions.

Broadly speaking, polymerization processes fall into three groups:—

1. Monomer is polymerized without solvent or diluent.

2. Monomer is dispersed in a nonsolvent and polymerized.

3. Monomer is dissolved in solvents and polymerized.

The first method is essentially a casting process, while the second is typified by emulsion processes. This paper dealing with methyl methacrylate discusses certain variations in the third method as they affect the rate of polymerization and the molecular weight of the resulting polymer. It is important to distinguish clearly between what is called "rate of polymerization" and actual rate of chain growth which is commonly thought of as practically instantaneous and comparatively independent of external conditions. "Rate of polymerization" is used here to express the amount of resin produced in a given time, which is related to the rate of initiation of polymer chains and the molecular weight attained without implying a variation in the rate of the individual chain reaction leading to a particular polymer molecule.

Irrespective of the solvent or the solubility of polymer therein, the rate of polymerization increases and the viscosity (molecular weight) of the palymer decreases with increased temperature and increased catalyst concentrations. High monomer concentrations favor rapid polymerization and high molecular weight, while decreasing the monomer concentration gives slower polymerization rates with the formation of lower molecular weight polymer. Similarly as polymerization proceeds and the monomer concentration decreases, the polymerization rate falls off and lower molecular weight polymer is formed.

A number of substances affect the rate of polymerization and the molecular weight of the polymer which is formed. This is true not only of inhibitors, such as hydroquinone, and catalysts, such as benzoyl peroxide, which need be present in only minute traces to influence the reaction, but also to a lesser extent for the various types of compounds which may be used as solvents during the polymerization reaction. The effect of solvents on molecular weight is illustrated by the following viscosities of polymers obtained without catalyst at 65 deg. C. from 20 percent solutions:—Water-methanol, 70 (poises for 5 percent) resin solution in dioxan); acetone, 1.25; ethylene dichloride, 0.65; benzene, 0.4; butyl acetate, 0.32; dioxan, 0.12. The rate of polymerization in these solvents in a general way is inversely proportional to the viscosity of polymer obtained.

Resin Content and Cure of Phenolic Laminated Plate

By O. E. Anderson and E. R. Perry

(Westinghouse Electric & Manufacturing Company, Micarta Division)

I. Properties which may be affected by resin content and cure:—
- A. Chemical
- B. Physical
- C. Electrical

II. Factors influencing properties:—
- A. Type of resin
- B. Filler
- C. Resin content
  - 1. Measurement
- D. Degree of cure
  - 1. Measurement
    - a. Acetone extraction
    - b. Water absorption
    - c. Insulation resistance

(Continued on page 26)

F.W.D.A. Convention Program Is Announced

Four Days of Business Sessions And Golf Tournament Are Planned

Four days of business sessions, either for active and associate members, or for active members and directors of member companies only, plus adequate provision, including a golf tournament, for the entertainment of members and visiting delegation, are set down in the program for the annual convention of the Federal Wholesale Druggists' Association; in the Hotel Cleveland, Cleveland, O., September 21 to 24 inclusive. Approximately 300 delegates from the thirty companies in the association will attend the sessions, and there will be no lack of social activities for the men and women separately, and in the way of joint parties, along with trips to points of interest and the Great Lakes Exposition.

The full program is as follows:—

September 21; Tuesday

9:30 a.m.

First session; general meeting.
Greetings:—By L. E. Seiberlich, president of the association.
Welcome to Cleveland:—By F. T. Roosa, president of the Mutual Drug Company.
Presenting:—Turner F. Currens, chairman of the Associate Membership Group.
Report of the entertainment committee:—By E. T. T. Williams, chairman.
Greetings to invited guests.
Address:—"Labor Relations," by W. F. Campbell, attorney, Detroit.
Discussion:—Messrs. Krupp, Williams and Penick.
Adjournment.

2:00 p.m.

Second session; general meeting.
Presiding: Turner F. Currens.
Address:—"Seeing, Believing, Buying," by L. J. McCarthy, director of marketing, Hearst Magazines, Inc.
Open discussion.
Address:—"Business Trends," by W. M. Murphy, of the A. C. Neilsen Company.
Open discussion.
Addresses from the floor by manufacturers and wholesalers.
Adjournment.

September 22; Wednesday

9:30 a.m.

Third session:—For active members and directors of active member companies.
Call to order:—By Mr. Seiberlich.
Roll call.
Reading of resolutions.
Secretary's report.
Treasurer's report.
Executive committee's report.
Legislative committee's report.
Suggestions and proposals.
Adjournment.

2:00 p.m.

Fourth session:—For active members and directors of active member companies.
Call to order:—By Mr. Seiberlich.
Roll call.
Unfinished business.
New business.
Reports of committees at the request of the president.
Report of auditing committee.
Report of resolutions committee.
Adjournment.

September 23; Thursday

9:30 a.m.

Fifth session:—For active members and directors of active member companies.
Call to order:—By Mr. Seiberlich.
Roll call.
Unfinished business.
Adjournment.

(Continued on page 46)

Button Group Ordered To Halt Price-Fixing

WASHINGTON, Sept. 7, 1937.

The cease and desist order issued by the Federal Trade Commission today against Covered Button and Buckle Creators, Inc., is the first case on record where such action has been taken against a trade association for misusing its trade practice rules for the purpose of fixing prices.

The order declares that shortly after the commission approved trade practice rules for the button and buckle industry, April 9, 1937, the trade association issued notices to the trade implying that a new price policy was required by these rules. The order issued today prohibits the trade association from representing that the commission has approved rules which regulate prices or authorize the fixing of prices; which prohibit, without qualification or limitation, sales below cost; which provide for a basic cost formula.

Let a Test Run Convince You That STANDARDIZED ALUMINUM STEARATES *Cut* PRODUCTION WASTES

•• See Special Offer Below ••

Courtesy of Valentine & Co., Makers of Valspar

You can cut production wastes by standardizing your paint, varnish, lubricant, and waterproofing formulas with Mallinckrodt standardized Aluminum Stearates. Research has shown that the acid-base ratio is the prime factor governing the behavior of Aluminum Stearates with various oils and solvents. Thc three new Mallinckrodt grades (mono-, di-, and tri-acid) can be mixed in any proportion to get the desired ratio of acid to base.

Aluminum Stearate Technical M (mono-acid) — Produces soft greases. Small quantities produce a definite flatting effect in varnishes with less tendency to jell formation.

Aluminum Stearate Technical D (di-acid) — This is the standard industrial grade most widely used for paints, varnishes, lubricants, and waterproofing materials. Stearate investigations logically start with this grade. M and T Grades may be added as modifying agents. A small quantity of the M grade will tend to makes greases harder, while the T grade will reduce the tendency to graininess, brittleness, and bleeding in greases and oils.

Aluminum Stearate Technical T (tri-acid) — With most oils and solvents this grade can be dispersed in higher concentrations than either the D or M grades and will cause less jelling in certain formulas. It is recommended as a flatting agent and for certain types of waterproofing material.

These are definite chemical compounds of highest quality, not trade-marked or patented mixtures. They are manufactured to rigid chemical standards, assuring you uniform results. You can standardize your formulas for greater convenience and economy.

TEST THEM IN YOUR PLANT AT SLIGHT COST

Test the behavior of these new Aluminum Stearates in your experimental laboratory with your own formulas and raw materials. 5 pounds of each of the three grades (M, D, and T) will be sent you prepaid for $3.50. Take advantage of this generous trial offer without delay. Send the coupon below and see how easily and accurately the acid base ratio can be adjusted to your varying requirements.

TWO OTHER ALUMINUM STEARATES

Aluminum Stearate Technical Fluffy is chemically similar to the D grade, but slightly finer and bulkier.

Flatting Agent No. 22 will cause less jelling in certain varnishes than the other grades.

Mallinckrodt Aluminum Stearates are made to specifications for the Paint, Varnish, Lubricant, Waterproofing, and similar industries.

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Enclosed please find check for $3.50.

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Current Market Quotations

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., works....lb. .75 - 1.00
Acetaldehyde, dms., c.l., works.lb. .14 - —
l.c.l., works....lb. .16 - —
Acetamide, CP, bots., kegs, c.l., works..lb. .35 - —
l.c.l., 1,000 lbs., works...lb. .43 - —
smaller lots, works.....lb. .48 - 1.00
tech., kegs, c.l., works.....lb. .32 - —
l.c.l., 1,000 lbs., works...lb. .38 - —
smaller lots, works.....lb. .43 - .75
Acetanilide, tech., 95%, bbls..lb. .24 Nom.
USP, bbls., 1,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
kegs, 1,000 lbs.....lb. .26 - —
smaller lots.....lb. .27 - —
Acetin, tech., dms.....lb. .33 - —
Acetoacetanilide, dms.....lb. .65 - .70
Acetone, CP, dms., c.l., dlvd..lb. .06 - —
l.c.l., dlvd.....lb. .06½- —
tanks, dlvd.....lb. .05 - —
Methyl (see M)
Acetophenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetphenetidin, bbls., kegs, 1,000 lbs..lb. 1.30 - —
single pkg.....lb. 1.35 - —
smaller pkgs.....lb. 1.32 - 1.40
Acid, abietic, bbls., c.l.....lb. .09¾- —
l.c.l. .....lb. .10 - —
Acetic, coml. or redist., 28%, bbls..100 lbs. 2.53 - 2.78
cbys. .....100 lbs. 3.03 - 3.28
56%, bbls.....100 lbs. 4.75 - 5.00
cbys. .....100 lbs. 5.25 - 5.50
70%, bbls.....100 lbs. 5.92 - 6.17
cbys. .....100 lbs. 6.40 - 6.65
80%, bbls.....100 lbs. 6.74 - 6.99
cbys. .....100 lbs. 7.24 - 7.49
glacial, nat., CP., cbys.100 lbs.14.00 - —
99.5%, nat., bbls., c.l., 100 lbs. 8.70 - 8.95
cbys. .....100 lbs. 9.20 - 9.45
syn., al. dms., c.l.100 lbs. 8.70 - 8.95
cbys. .....100 lbs. 9.20 - 9.45
USP, reagent, 99.8%, al. dms..100 lbs.10.75 -11.00
cbys. .....100 lbs.13.75 -14.00
pure, 80%, bbls., c.l..100 lbs. 3.60 - 3.85
cbys. .....100 lbs. 4.10 - 4.35
36%, bbls., c.l.....100 lbs. 4.05 - 4.25
cbys. .....100 lbs. 4.55 - 4.80
60%, bbls., c.l.....100 lbs. 6.79 - 7.04
cbys. .....100 lbs. 7.29 - 7.54
80%, bbls., c.l.....100 lbs. 8.53 - 9.08
cbys. .....100 lbs. 9.03 - 9.28

Acetic acid prices above apply delv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass, N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l..lb. .13 - —
l.c.l., dms., cbys.....lb. .14 - .15
Acetylsalicylic, USP, bbls., 225 lbs..lb. .50 - —
boxes, 25 lbs.....lb. .51 - —
kegs, 100 lbs.....lb. .50 - —
Anthranilic, refd., bbls.....lb. .85 - .90
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP., powd., dms., kegs...lb. .18 - —
Battery, cbys, c.l., E. works 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.105.00 - —
c.l., delvd.....ton.110.00 - —
l.c.l., ex whse.....ton.115.00 -120.00
sks., contracts, 80 tons, delvd..ton. 95.00 - —
c.l., delvd.....ton.100.00 - —
l.c.l., ex whse.....ton.105.00 -110.00
powd., bbls., contracts, 80 tons, delvd..ton.110.00 - —
c.l., delvd.....ton.115.00 - —
l.c.l., ex whse.....ton.120.00 -135.00
sks., contracts, 80 tons, delvd..ton.100.00 - —
c.l., delvd.....ton.105.00 - —
l.c.l., ex whse.....ton.110.00 -125.00
USP, $25 per ton higher.
Broenner's, bbls.....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cans.....lb. 5.50 - 5.70
Capric, dms.....lb. .19½- .20
Caproic, cans.....lb. 2.20 - —
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .16 - .16½
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., delvd. N.Y., lb. .1475- .1675
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., bbls.....lb. .25 - —
kegs .....lb. .25½- —
gran., bbls.....lb. .25 - —
kegs .....lb. .25½- —
powd., bbls.....lb. .25½- —
anhyd., gran., dms.....lb. .27½- —
powd., dms.....lb. .28 - —

Prices on citric acid are f.o.b. N. Y., Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .50 - —
Cottonseed oil, dms.....lb. .09½- .10¾
Cresylic, high-boil, dms., c.l., works, frt. equaled..gal. .89 - —
l.c.l., same basis....gal. .91 - —
Acid, cresylic, low-boil, dms., c.l., works, frt. equaled..gal. .92 - —
l.c.l., same basis....gal. .94 - —
imported pale, 97-99, dms..gal. 1.00 Nom.
special resin grade, dms., c.l., works..lb. .10¾- —
l.c.l., same basis.....lb. .11¼- —
Crotonic, dms., works.....lb. .75 - 1.00
Diethylbarbituric (see Barbital).
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l. .....lb. .11 - —
l.c.l., 25 and over.....lb. .1150- —
1-24 .....lb. .12 - —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l. lb. .1220- .1290
l.c.l., 25 and over.....lb. .1270- .1340
1-24 .....lb. .1320- .1390
Fumaric, bbls.....lb. .60 - —
Gallic, tech., bbls.....lb. .65 - .68
N.F., VI, bbls.....lb. .77 - .80
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls.....lb. .50 - .55
Hempseed oil, dms.....lb. .1180- .1225
Hydriodic, 47%, bots.....lb. 2.20 - 2.25
57%, bots.....lb. 2.65 - 2.70
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct, cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works...lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .07 - .0750
lead, cbys.....lb. .09 - .0950
48%, lead cbys.....lb. .1150- .12
52%, lead cbys.....lb. .1250- .13
60%, lead cbys.....lb. .15 - .1550
Hydrofluosilicic, 30-35%, bbls.lb. .10½- .15
Hypophosphorus, USP., 30%, djns..lb. .75 - —
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works. 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works. 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11½
plastic grade.....lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12½
plastic grade.....lb. .13¼- .14¼
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22¼
USP, X, 85%, cbys.....lb. .42 - .45
USP, VIII, 75%, cbys.....lb. .40 - .43
Laurent's, bbls.....lb. .45 - —
Linseed oil, dark or light, dms..lb. .1310- .1350
tanks .....lb. .1250- —
extra white, dms.....lb. .1125- .1175
split, dms.....lb. .0950- .1060
Maleic powd., dms.....lb. .30 - .40
anhydride, dms.....lb. .33 - .43
Malic powd., kegs.....lb. .45 - .60
Mandelic, bots.....lb. 2.30 - —
fib. dms.....lb. 2.05 - 2.20
Mixed, tanks, nitric unit....lb. .06½- .07½
sulphuric unit .....lb. .0085- .009
Monochloroacetic, tech., bbls.lb. .16 - .17
99%, bbls. .....lb. .18 - .19
Monosulphonic, bbls. .....lb. 1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9, works..100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works..100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P., U.S.P., dealers, cbys.lb. .06½- —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dms.....lb. .14¼- .15
white, redist., dms.....lb. .15¾- .16½
Naphthenic, S.V. 120-200, dms., lb. .07 Nom.
210-230, dms.....lb. .09 Nom.
240-280, dms.....lb. .10 Nom.
sludges, dms.....lb. .05 Nom.
Nevile & Winther's, bbls....lb. .85 - .87
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works..100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works 100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
Acid, nitric, 42°, cbys., l.c.l., 25 and over works..100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., U.S.P., dealers, cbys... lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, dms.....lb. .08¾- .09½
Phenylacetic, bots.....lb. 2.00 - 3.25
Phosphoric, tech., 50%, cbys.lb. .06 - —
75%, cbys. .....lb. .09 - —
USP, 85%, s. g. 1,710, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs. .....lb. .15 - —
50% s.g., 1347, cbys., 70 lbs., lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns..lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls. .....lb. .35 - —
Propionic ref., cbys., works.lb. .25 Nom.
dms., works .....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works .....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. .90 - —
cns .....lb. .95 - —
USP, cryst., cns.....lb. 1.35 - 1.60
resubl., cns. .....lb. 1.90 - 2.00
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, dms .....lb. .38 - —
tech., bbls.....lb. .13 - —
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls. .....lb. .40 - .45
Sebacic, C.P., bbls., works..lb. .58 - —
tech., bbls., works.....lb. .37 - .41
Soybean oil, dist, dms.....lb. .10½- .11½
Stearic, distil., double pressed, bgs., dlvd..lb. .12 - .13
single pressed, bgs., dlvd.lb. .11¼- .12½
triple pressed, bgs., dlvd..lb. .14¾- .15¾
saponif., double pressed bgs., dlvd..lb. .12¼- .13¼
triple pressed, bgs., dlvd..lb. .15 - .16
Succinic, bbls. .....lb. .75 - —
Sulphanilic, CP, bots, works.lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98%, tanks, works.....ton.17.50 - —
C.P., U.S.P., dealers, cbys.. lb. .06½- —
9-lb. bots.....lb. .16½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls.....lb. .26 - .32
USP, fluffy, bbls., 1,000 lbs. lb. .78 - —
smaller lots.....lb. .80 - —
powd., bbls., 1,000 lbs.....lb. .68 - —
smaller lots.....lb. .70 - —
Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .24¾- —
smaller quantities ....lb. .25¼- —
kgs. .....lb. .25¾- —
Tobias, bbls. .....lb. .65 - —
Trichloroacetic, bots. .....lb. 2.00 - 2.50
Tungstic, CP, kgs.....lb. No prices
tech., kgs. .....lb. No prices
Aconite, leaves, bls.....lb. .30 - .32
Root, bls.....lb. .30 - .32
Aconitine, amorph., bots.....oz.17.00 -18.00
vls. .....gr. .06 - .09
cryst., bots.....oz.30.00 - —
vls. .....gr. .09 - .11
Adeps, lanae, anhyd., dms....lb. .17½- .19
hyd., dms.....lb. .16 - .18
Agar, 1, bls.....lb. 1.10 - 1.15
2, bls.....lb. 1.05 - 1.10
3, bls.....lb. .72 - .75
Agaric, white, bls.....lb. 3.00 - 3.25
Albumen, blood, dark, flake, bgs., c.l., f.o.b. Chicago, frt. alld..lb. .11 - —
l.c.l., bgs., same basis..lb. .13 - .15
pow'd, grade A, same basis, ton lots..lb. .15 - —
smaller lots, Chicago....lb. .18 - —
light, dom., flake, dms., Chicago..lb. .52 - .60
Import, bgs.....lb. .50 - —
Egg, ed., dom., bbls.....lb. 1.05 Nom.
import, cs.....lb. .85 Nom.
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l. frt. alld..lb. .133 - —
l.c.l. frt. alld.....lb. .143 - —
tanks, frt. alld.....lb. .123 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Benzyl, cans.....lb. .70 - —
drums .....lb. .63 - —
Butyl, normal, dms., c.l., frt. alld..lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .08 - —
l.c.l., same terms.....lb. .08½- —
tanks, same terms.....lb. .07 - —
tertiary, denating, dms., frt. alld..lb. .14 - —
Capyrl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs. .....lb. 1.70 - —
100 lbs. .....lb. 1.80 - —
25 lbs. .....lb. 1.90 - —
5 lbs. .....lb. 2.00 - —
coml., dms.....lb. .95 - —
Import, 85%, dms.....100 lbs. .55 - —
5 to 10 lbs.....lb. .75 - —
coml., dms., 350 lbs..... lb. .45 - —

Acacia—Alumina Acetate

Alcohol cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD11, 12, 13, dms., c.l., works, E. frt. equal.gal. .35 - —
20 dms., East.....gal. .37 - —
1-19 dms., East.....gal. .40 - —
tanks, East.....gal. .29 - —
Prices for territories other than E. of Rockies, 3c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit
SD1, 190 pf., bbls., c.l., E. works..gal. .34 - —
19 bbls., E. works...gal. .36 - —
1 to 18 bbls., E. works, gal. .39 - —
dms., c.l., E. works....gal. .33 - —
19 dms., E. works...gal. .35 - —
1 to 18 dms., E. works, gal. .38 - —
tanks, E. works.....gal. .27 - —
Anhydrous, 5c. per gal. higher.
SD23-G, works, E., dms., c.l., gal. .37½- —
19 dms.....gal .39½- —
1 to 18 dms.....gal. .42½- —
tanks .....gal. .31½- —
Prices for territories other than E. of Rockies, 3c. per gal. higher.
Special solvent, dms., c.l., E. works..gal. .34 - —
20 dms., E. works...gal. .36 - —
1 to 19 dms., E. works, gal. .39 - —
tanks, E. works.....gal. .28 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, pure, contract, dms., c.l., frt. alld..lb. .13½- —
l.c.l., frt. alld.....lb. .14 - —
tech., contract, dms., c.l., frt. alld..lb. .12½- —
l.c.l., frt. alld.....lb. .13 - —
Ethyl, 190 pf., ex molasses, bbls. c.l—gal. 4.13 - —
19 bbls.....gal. 4.15 - —
1 to 18 bbls.....gal. 4.18 - —
dms., c.l.....gal. 4.12 - —
19 dms.....gal. 4.14 - —
1 to 18 dms.....gal. 4.17 - —
tanks .....gal. 4.06 - —
absolute, dms., c.l.....gal. 4.42 - —
19 dms.....gal. 4.44 - —
1 to 18 dms.....gal. 4.47 - —
Grain alcohol 45c. per gal. higher.
Furfuryl, tech., cns., works..lb. .45 - —
dms., c.l., 33,000 lbs., works, lb. .30 - —
l.c.l., 500 lbs. and more, works..lb. .35 - —
Hexyl, secondary, dms., c.l., frt. pd. E. of Rocky Mts.lb. .10 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Isoamyl, primary, dms., l.c.l., dlvd. .....lb. .27 - —
cans, works .....lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies.lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .06½- —
Isopropyl, denat., grd., dms., c.l., frt., alld..gal. .32 - —
l.c.l., frt., alld.....gal. .33 - —
refd, 91% dms., c.l., f.o.b. dest. .....gal. .39½- —
l.c.l., same terms....gal. .44½- —
tanks, same terms....gal. .34½- —
98%, dms., c.l., same terms, gal. .44½- —
l.c.l., same terms....gal. .49½- —
tanks, same terms....gal. .39½- —
tech., 91%, dms., c.l., same terms..gal. .35 - —
l.c.l., same terms....gal. .40 - —
tanks, same terms....gal. .30 - —
98%, dms., c.l., same terms, gal. .39½- —
l.c.l., same terms....gal. .44½- —
tanks, same terms....gal. .34½- —
Methyl (see Methanol)
Phenylethyl, bots., cns.....lb. 1.50 - 2.50
Propyl (see Isopropyl)
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .80
Aldol, 95%, dms., c.l., works..lb. .21 - —
l.c.l., works.....lb. .25 - —
Aletris root, bgs.....lb. .40 - .45
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .10 - .11
Aloe, Barbados, true, cs.....lb. .85 - .90
Cape, cs.... .....lb. .18 - .19
Curacao, cs.....lb. .26 - .27
gourds, bbls.....lb. .50 - .51
Socotrine, kgs.....lb. .32 - .33
Aloin, 140 lb. bbls.....lb. 1.80 - —
25 lb. kgs .....lb. 1.82 - —
100 lb. fib., dms.....lb. 1.80 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, cube cut, bls.....lb. .26 - .27
Alum, ammonia, burnt, USP, bbls. kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.00 - 3.25
dlvd. N.Y., Phila...100 lbs. 3.15 - —
lump, bbls., works....100 lbs. 3.25 - 3.50
dlvd. N.Y., Phila...100 lbs. 3.40 - —
powd., bbls., works....100 lbs. 3.40 - 3.65
dlvd. N.Y., Phila...100 lbs. 3.55 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

Potash, gran., bbls., works, 100 lbs. 3.25 - 3.50
dlvd. N.Y., Phila...100 lbs. 3.40 - —
lump, bbls., works....100 lbs. 3.50 - 3.75
dlvd. N.Y., Phila...100 lbs. 3.65 - —
powd., bbls., works...100 lbs. 3.65 - 3.90
dlvd. N.Y., Phila...100 lbs. 3.80 - —

Potash alum prices on same basis as those for ammonia alum.

Potash-chrome, bbls.....lb. .06½- .09¾
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, C.P. 20% solut., bbls..lb. .00 - .16

Alumina Chlor.—Amyl Acetate

Alumina chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .05 - —
12,000 to 40,000 lbs., works..lb. .06 - —
1,100 to 11,000 lbs., works..lb. .07 - —
140 to 875 lbs., works..lb. .08 - —
100 lbs., or less, works..lb. .09 - —
cryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l., dms., works.....lb. .06¼- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
less car lots, works....lb. .03½- —
light, bbls., dlvd.....lb. .12 - —
Oleate, dms., contr.....lb. .16¾- —
open order.....lb. .17½- .18½
Palmitate, precip., bbls.....lb. .23 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, com'l bgs., c.l., works, frt. equaled..100 lbs. 1.35 - —
l.c.l., works, frt. equald.. 100 lbs. 1.60 - —
bbls., c.l., works, frt. equald. 100 lbs. 1.55 - —
l.c.l., works, frt. equald. 100 lbs. 1.80 - —
iron-free, bgs., c.l., works, 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.25 - 2.40
Alumina, sulphate, iron-free, truckloads, bgs.....100 lbs. 2.40 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.55 - —
5 to 9, dlvd. met. N.Y. 100 lbs. 2.80 - —
1 to 4, dlvd. met. N. Y. 100 lbs. 3.30 - —
bbls., c.l., works.....100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.45 - —
truckloads, dlvd., met. N.Y. 100 lbs. 2.60 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.75 - —
5 to 9, dlvd., met. N.Y. 100 lbs. 3.00 - —
1 to 4, dlvd. met. N.Y. 100 lbs. 3.50 - —
Aluminum, 98-99%, dms., c.l...lb. .20 - —
l.c.l. .....lb. .21 - —
paste, extra fine lining, dms., 30,000 lbs., frt. alld. E. of Miss..lb. .63½- —
5,000 lbs., same basis..lb. .64½- —
2,000 lbs., single shipt., same basis..lb. .65 - —
On 2,000-lb. orders in split shipment the price is ½c. higher in lots of 400 lbs. and more; 1c. higher in lots of 200-399 lbs.; 3c. higher in lots of 10-199 lbs.; on smaller orders the price is higher than the 2,000-lb. basis by 1c. in lots of 1,000 lbs. and more; 2c. on 400-999 lbs.; 5c. on 200-399 lbs.; 10c. on 10-199 lbs.
ink, dms., 30,000 lbs., same basis..lb. .73½- —
5,000 lbs., same basis..lb. .74½- —
Aluminum, paste, ink, dms., 2,000 lbs., single shipt., same basis..lb. .75 - —
split shipts. (see note ane lining paste).
standard, dms., 30,000 lbs., same basis..lb. .41½- —
5,000 lbs., same basis..lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
powder, lining, extra fine, dms., 30,000 lbs., same basis..lb. .90½- —
5,000 lbs., same basis..lb. .91 - —
2,000 lbs., single shipt., same basis..lb. .92 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .55½- —
5,000 lbs., same basis..lb. .56½- —
2,000 lbs., single shipt., same basis..lb. .57 - —
split shipts. (see note fine lining paste).
litho, extra brilliant, dms., 30,000 lbs., same basis, lb. .41½- —
5,000 lbs., same basis.lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
extra fine, dms., 30,000 lbs., same basis..lb. .45½- —
5,000 lbs., same basis..lb. .46½- —
2,000 lbs., single shipt., same basis..lb. .47 - —
split shipts. (see note fine lining paste).
Aluminum, powd., litho, standard dms., 30,000 lbs., same basis..lb. .40½- —
5,000 lbs., same basis..lb. .41½- —
2,000 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste).
wallpaper, dms., 30,000 lbs., same basis..lb. .41½- —
5,000 lbs., same basis..lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste)
rubber comp., dms., 30,000 lbs., same basis..lb. .38½- —
5,000 lbs., same basis..lb. .39½- —
2,000 lbs., single shipt., same basis..lb. .40 - —
split shipts (see note fine lining paste)
unpolished, dms., 30,000 lbs., same basis..lb. .35½- —
5,000 lbs., same basis..lb. .36½- —
2,000 lbs., single shipt., same basis..lb. .37 - —
split shipts. (see note fine lining paste)
varnish, extra brilliant, dms., 30,000 lbs., same basis..lb. .41½- —
5,000 lbs., same basis.lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste)
extra fine, dms., 30,000 lbs., same basis..lb. .45½- —
5,000 lbs., same basis.lb. .46½- —
2,000 lbs., single shipt., same basis..lb. .47 - —
split shipt (see note fine lining paste)
standard, dms., 30,000 lbs.. same basis..lb. .40½- —
5,000 lbs., same basis.lb. .41½- —
2,000 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste)
Ambergris, gray, tins.....oz.17.00 -35.00
Amidopyrene, fib., dms., 100 lbs., lb. 4.00 - —
bots., 5 lbs. .....lb. 4.22 - 4.25
Ammonia, acetate, kgs.....lb. .26 - .33
Aldehyde, dms. .....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works..lb. .04½- —
refrigeration, tanks, works..lb. .05 - —
pure, cyls., dlvd., met. N.Y., lb. .16 - .22

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .05¾- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), dlvd., E..lb. .05 - .05¼
Benzoate, dms., 4,000 lbs. or more..lb. .41 - .42
1,000 lbs. to 3,900 lbs....lb. .42 - .43
900 lbs. or less.....lb. .45 - .46
kgs., 4,000 lbs. or more...lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .44 - —
Bicarbonate, bbls., c.l., works, 100 lbs. 5.15 - —
l.c.l., dlvd., N. Y....100 lbs. 5.71 - —
Bichromate, bbls.....lb. .32 - —
Bifluoride, bbls.....lb. .16 - .18
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kgs. .....lb. .36 - —
Carbonate, tech., dom., bbls..lb. .08 - .12½
imported, csks. .....lb. .08 - .12¾
USP, lump, dms.....lb. .08 - .11
powd., bbls., dms.....lb. .09 - —
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls.....lb. .11 - .16
kgs. .....lb. .15 - —
Citrate, dms.....lb. .80 - —
cns. .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, fib., dms....lb. 1.10 - 1.17
jars .....lb. 1.20 - —
Iodide, 5-lb. bots.....lb. 3.32 - —
jars .....lb. 3.25 - —
Laurate, bbls.....lb. .23 - —
Linoleate, 80%, anhyd., bbls.lb. .15 - —
Naphthenate, bbls.....lb. .17 - —
Nitrate, tech., bags, c.l., works. 100 lbs. 3.60 - —
bbls., works.....100 lbs. 3.75 - —
l.c.l., bags, works.....100 lbs. 3.85 - —
bbls., works.....100 lbs. 4.00 - —
Oleate, dms.....lb. .15 - —
Oxalate, neutral, cryst., powd., bbls., kgs..lb. .22½- —
Perchlorate, kgs.....lb. .16 - —
Persulphate, kgs.....lb. .21 - —
Phosphate, dibasic, N.F.V., bls. lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l..... .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fertilizer grade), 11% N 48% phos., bulk, f.o.b. E. works..unit-ton. 1.20 & .70
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls.....lb. .15 - —
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Sulphate, dom., bulk, c.l., f.o.b. ports or ovens, contr., 6-10 mos., Sept.-Oct., ton.27.50 - —
Nov.-Dec. .....ton.28.00 - —
Jan.-June, 1938.....ton.28.50 - —

Ammonia sulphate contracts any 1-5 mos., through June 1938, $1 per ton additional; spot prices $1 per ton additional. Bag packing charged extra at $1.30 per ton for 200's and $2 per ton for 100's. Deliveries in Ill., Mich., Ind., Ohio, Wis. and Ohio river destinations in Ky. are f.o.b. ovens freight allowed.

Sulphide, liquid, 35-40%, basis 100%, dms., works..lb. .12 - .15
tanks, delvd .....lb. .11 - —
Sulphocyanide, com'l, fib., dms., 2,000 lbs., works..lb. .14 - —
smaller lots, works.....lb. .16 - —
pure, 99-100%, kgs.....lb. .55 - —
Ammoniac, gum (see Gum, ammoniac).
Sal. gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - .0670
white, gran., dom., bbls., contracts, works.100 lbs. 5.00 - 5.05
import, csks .....100 lbs. 5.00 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lb. .11½- —
l.c.l., frt., alld..... lb. .12 - —
tanks, works .... lb. .10¼- —
ex pentane, dms., frt. alld..lb. .125 - —
l.c.l., frt., alld.....lb. .135 - —
tanks, frt., alld.....lb. .115 - —

VOTE AGAINST THE TROUBLE TRIO

In the best of regulated lacquer plants, the Trouble Trio may go on the rampage at any time. Orange Peel, Poor Gloss and Cotton Blush are the constant enemies of good lacquer quality. Banish them permanently and completely with

PENTASOL *and* PENT-ACETATE

—the PURE AMYL solvents that put lacquer production on a new quality plane all year around.

The low affinity of PENTASOL and PENT-ACETATE for water assures formulations without orange peel and blush. Their high solvent power permits low viscosity and smooth flow during the setting period of the film.

Formulate for safety with PENTASOL and PENT-ACETATE! They're Sharples-made and Sharples-guaranteed.

SHARPLES TRADE MARK SOLVENTS

THE SHARPLES SOLVENTS CORP.
2300 WESTMORELAND STREET, PHILADELPHIA
80 E. JACKSON BOULEVARD, CHICAGO, ILLINOIS
551 FIFTH AVENUE, NEW YORK CITY

Amyl acetate, secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works .....lb. .077 - —
tanks, works.....lb. .06 - —
Cinnamic aldehyde, cns.....lb. 2.00 - 2.25
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works.lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, bots., 5 lbs.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works.lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.20 - 1.25
Angelica root, dom., bls.....lb. .23 - .25
import, natural, bls.....lb. .25 - .27
twisted, bls.....lb. .30 - .40
Angostura bark, bls.....lb. .35 - .36
Anilin oil, dms.....lb. .15 - .16
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .11½- .12
Star, bgs.....lb. .15 - .16
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Annatto paste, bxs.....lb. .34 - .39
Seed, bgs.....lb. .07¾- .08½
Anthraquinone, 99.5%, subl., bbls. lb. .55 - —
Antimony, butter (see Antimony chloride)
Chloride, solut., cbys.....lb. .17 - —
Metal, dom.....lb. .15¾- —
Chinese, duty paid.....lb. .15¾ Nom.
Needle, powd., bbls.....lb. .13 - .15
Oxide, dom., bbls., c.l.....lb. .15½- —
l.c.l. .....lb. .15¾- —
import, bbls. .....lb. .15½- .15¾
Salts, 65%, kgs.....lb. .23¾- .24
White, pigment, bgs., c.l., Texas works, frt. alld. to ½c. lb., lb. .11½- .14¼
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, conc., bbls....lb. .21 - .27
double, bbls.....lb. .18 - .20
triple, bbls.....lb. .18 - .20
Areca nuts, powd., bbls.....lb. .10 - .12
Arecoline hydrobromide, bots., oz. 5.50 - 6.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity..... 100 kilos.32.00 -34.00
Arnica flowers, bls.....lb. .30 - .32
Root, bls.....lb. .38 - .40
Arrowroot, St. Vincent, powd., bgs..lb. .08¾- .08¾
bbls. .....lb. .08½- .09
Arsenic iodide (arsenous), 5 lb. bots..lb. 5.15 - —
jars .....lb. 5.00 - —
Metal, lump, cs.....lb. .42 - .43
Red, import, cs.....lb. .15¾- .16¼
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Arsenous chloride, cns.....lb. 4.85 - —
Asafetida, cs.....lb. .19 - .20
powd., bbls., bxs.....lb. .47 - .48
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.37.50 - —
5R, bgs., c.l. (20 tons), Canad. mines—ton.35.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.27.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.23.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.21.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.17.00 - —
7K, bgs., c.l. (30 tons), Canad. mines—ton.14.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.12.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02½- —
smaller lots, f.o.b. N. Y.lb. .03½- —
AA, bgs., 20 tons, f.o.b. N.Y., lb. .03½- —
smaller lots, f.o.b. N. Y.lb. .10½- —
California, dms., c.l., f.o.b. N.Y. ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l.,f.o.b.N.Y.lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.90 - —
seconds, bgs., c.l., Western shipt. points .....ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton.49.50 - —
Jet, bgs., c.l., Western shipping points..ton.30.50 - —
Maltha, dms., c.l.,f.o.b.N.Y.ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery....ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Wyo., refinery.....gal. .07½- —
Atropine, bots.....oz. 5.25 - 5.80
Sulphate, bots.....oz. 2.90 - 3.55
cns. .....oz. 2.85 - —

B

Balm of Gilead buds, bgs.....lb. .38 - .40
Barberry bark, bgs.....lb. .20 - .22
Tree bark, bls.....lb. .10 - .11
Barbital, cs.....lb. 3.25 - 3.30
Barium carbonate, natural, 90%, grd., bgs., c.l., works, ton.44.00 - —
99%, 200 mesh, bgs., c.l., works..ton.47.00 - —
precip., bgs., c.l., works..ton.52.50 - —
bbls., works .....ton.57.50 - —
l.c.l., bgs., works.....ton.57.50 - —
bbls., works .....ton.62.50 - —
sulphur-free bgs., bbls., c.l., works..ton.57.50 -62.50
Chlorate, kgs. .....lb. .16½- .17½
Chloride, crystal, bbls..lb. .19 - —
dms .....lb. .20 - —
tech., dom., cryst., bgs., c.l., Zone 1, dlvd. New England States, N. Y., N. J., Pa., Md., Dela., Va., West Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line.....ton.72.00 - —
Zone 1, bbls., same basis, ton.74.00 - —
l.c.l., bgs., same basis, ton.85.00 - —
bbls., same basis..ton.87.00 - —
Zone 2, bgs., c.l., dlvd. Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla..ton.76.00 - —
bbls., same basis..ton.78.00 - —
l.c.l., bgs., same basis, ton.89.00 - —
bbls., same basis..ton.91.00 - —
Zone 3, bgs., c.l., dlvd. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.82.00 - —
bbls., same basis..ton.84.00 - —
l.c.l., bgs., same basis, ton.95.00 - —
bbls., same basis..ton.97.00 - —
Zone 4, bgs., c.l., dlvd. Wash., Ore., Calif., Nev..ton.78.00 - —
bbls., same basis..ton.80.00 - —
l.c.l., same basis....ton.91.00 - —
bbls., same basis..ton.93.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. .15 - .16
Fluosilicate, bbls. .....lb. .15 - .16
Hydrate (see Hydroxide).
Barium, hydroxide, bbls.....lb. .04¾- .05½
Iodide, bots. .....lb. 4.30 - 4.45
Monoxide (see Oxide).
Nitrate, cks.....lb. .07 - .08¼
Oxide, dms. .....lb. .11 - .15
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.23.65 - —
l.c.l., ex whse., Boston, ton.36.00 - —
Chicago .....ton.31.15 - —
Cleveland .....ton.33.50 - —
New York.....ton.32.00 - —
paper bgs., c.l., St. Louis. ton.22.85- —
l.c.l., ex car, Baltimore, ton.30.70 - —
Boston .....ton.31.70 - —
Philadelphia .....ton.30.50 - —
ex whse., Baltimore.ton.32.10 - —
Boston .....ton.35.20 - —
Chicago .....ton.30.35 - —
Cleveland .....ton.33.00 - —
Detroit .....ton.33.00 - —
Kansas City.....ton.30.93 - —
Los Angeles.....ton.42.00 - —
New York.....ton.31.50 - —
Philadelphia .....ton.31.90 - —
San Francisco.....ton.42.00 - —
Toronto .....ton.39.30 - —
Southern off color, bulk, mines..ton.12.00 - —
95.75%, bulk, mines.....ton.16.00 - —
ore, bulk, mines, long ton. 7.00 - —
German, grd., bbls., c.l., dock., t.a..ton.25.00 -26.00
l.c.l., ex whse.....ton.30.00 - —
ungrd., bulk, c.l., ex dock, ton.13.00 -14.00

Amyl Acetate—Berberis

Barytes, Italian, grd., bbls., c.l., ex dock, t.a..ton.29.50 Nom.
l.c.l., ex whse.....ton.32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....gal. .71½ Nom.
Bayberry bark, bgs.....lb. .13 - .16
Belladonna leaves, bls.....lb. .14 - .15
Root, bls. .....lb. .12 - .13
Bentonite, 200 mesh, bgs., Wyo. works..ton.11.00 - —
325 mesh, bgs., Wyo. works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
Benzol tankcar prices, West, f.o.b. sellers' works.
Benzoyl chloride, dms.....lb. .40 - .47
Benzyl acetate, f.f.c., bots....lb. .55 - 1.00
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., tins.lb. .90 - 1.20
Chloride, 95-97%, refd., dms.lb. .30 - .40
tech., dms.....lb. .25 - .28
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.35 - 3.50
Berberine bisulphate, cns.....lb.13.00 -13.25
Hydrochloride, cns.....lb.13.00 -13.25
Sulphate, cns.....lb.14.75 -15.00
Berberis root, bls.....lb. .13 - .15

The Chemical Laboratory provides every facility for the solution of packers' chemical problems, as well as for research and can plant control.

The Processing Laboratory where packers' problems are studied under actual packing plant conditions and new processes developed for treatment of foods.

The Bacteriological Laboratory is devoted to bacteriological research and the practical application of bacteriology to canning problems.

Complete LABORATORY SERVICE

THE Crown Can Laboratories are among the finest and most modern in the country. They are unsurpassed in their completeness of equipment and ability to serve.

These facilities are always available to users of Crown Cans to assist them in solving packaging and processing problems. A representative will gladly explain the many advantages that Crown Cans and Service offer you.

Packers Cans for 1937 sold f.o.b. Philadelphia, Baltimore, St. Louis, Houston, Madison and other selected points.

Crown Cans

CROWN CAN COMPANY • PHILADELPHIA, PA.
ST. LOUIS · HOUSTON · MADISON
Independent and Helpful
DIVISION OF CROWN CORK & SEAL COMPANY

Betanaphthol—Borax

Betanaphthol, sublm., bbls....lb. .55 - —
kgs. ....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works....lb. .24 - —
Benzoate, fib. dms....lb. 2.10 - —
kgs. ....lb. 2.00 - —
Betanaphylamine, tech., kgs..lb. .51 - —
Beth root, bls....lb. .14 - .15
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars ....lb. 2.65 - —
Hydroxide, 5-lb. bots....lb. 3.27 - —
cns. ....lb. 3.15 - —
Metal, ton lots....lb. 1.00 - —
Nitrate, cryst., 5-lb., bots...lb. 1.34 - —
cns. ....lb. 1.20 - —
Oxychloride, 5-lb. bots....lb. 3.04 - —
cns., kgs....lb. 2.95 - —
Subbenzoate, 5-lb. bots....lb. 3.36 - —
cns. ....lb. 3.25 - —
Subcarbonate, bots., cns....lb. 1.32 - 1.58
fib. dms....lb. 1.23 - 1.26
X-ray, 5-lb. bots....lb. 2.52 - —
fib. dms....lb. 2.46 - —
Subgallate, bots., cns....lb. 1.42 - 1.68
fib. dms....lb. 1.33 - 1.36
Subiodide, cns....lb. 3.91 - —
fib. dms....lb. 3.88 - —
Subnitrate, powd., bots., cns., lb. 1.22 - 1.48
fib., dms....lb. 1.13 - 1.16
Subsalicylate, 62-66%, bxs..lb. 2.44 - —
bbls., fib. dms....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. ....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. ....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms....lb. 3.05 - —

Black, acetylene, c.l., dlvd....lb. .15 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E....lb. .16½ - —
1, bbls., bgs., c.l., frt. alld. E..lb. .12½ - —
l.c.l., frt. alld. E....lb. .13 - —
2, bbls., bgs., c.l., frt. alld. E..lb. .10½ - —
l.c.l., frt. alld. E....lb. .11 - —
3, bbls., bgs., c.l., frt. alld. E..lb. .09½ - —
l.c.l., frt. alld. E....lb. .10 - —
4, bbls., bgs., c.l., frt alld. E..lb. .08½ - —
l.c.l., frt. alld. E....lb. .09 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .07½ - —
l.c.l., frt. alld. E....lb. .08 - —
6, bbls, bgs., c.l., frt. alld. E. lb. .06½ - —
l.c.l., frt. alld. E....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .09 - —
l.c.l., frt. alld. E....lb. .09½ - —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., works..lb. .05 - —
l.c.l., dlvd....lb. .07½ - —
ctns., l.c.l., dlvd....lb. .08¼ - —
cs., l.c.l., dlvd....lb. .09 - —
2, bgs., c.l., works....lb. .08½ - —
l.c.l., dlvd....lb. .10½ - —
cs., l.c.l., dlvd....lb. .12 - —
3, bgs., c.l., works....lb. .13 - —
l.c.l., dlvd....lb. .14½ - —
cs., l.c.l., dlvd....lb. .16½ - —
4, bgs., c.l., works....lb. .27½ - —
cs., c.l., works....lb. .29 - —
l.c.l., dlvd....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd....lb. .44 - —
6, cs., l.c.l., dlvd....lb. .60 - —
7, cs., l.c.l., dlvd....lb. 1.10 - —

Black, carbon, standard, bgs., c.l., dlvd, rail zone A (Gulf ports), for delivery in N.A. (water freights extra)....lb. .0445- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0475- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States)...lb. .0490- —
30,000 lbs., dlvd Zone C, Pac. Cst. States.lb. .0505- —
D (Ill., Ia., Wis.)..lb. .0490- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y. Ohio, part of Pa., Tenn., W. Va.)...lb. .0505- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. 0535- —
G (Mexico)....lb. .0455- —
l.c.l., f.o.b. whse....lb. .07 - —
ctns., l.c.l., dlvd. all zones. lb. .07½ - —
cs., l.c.l., dlvd. all zones..lb. .08½ - —
export, full, comprsd., cs., f.a.s. Gulf ports..lb. .05½Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .06 Nom
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works....lb. .08¾- —
Ivory, genuine, bbls....lb. .30 - .35
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works....lb. .08 - —
2, ctns., c.l., works....lb. .09 - —
l.c.l., works....lb. .10 - —

Black, lamp, dom., 2A, ctns., c.l., works..lb. .11 - —
l.c.l., works....lb. .12 - —
3, ctns., c.l., works....lb. .13 - —
l.c.l., works....lb. .14 - —
4 ctns., c.l., works....lb. .14 - —
l.c.l., works....lb. .15 - —
5, ctns., c.l., works....lb. .17 - —
l.c.l., works....lb. .18 - —
6, ctns., c.l., works....lb. .24 - —
l.c.l., works....lb. .25 - —
7, ctns., c.l., works....lb. .34 - —
l.c.l., works....lb. .35 - —
Import, 1, bbls., c. l., f.o.b. N. Y..lb. .08 - —
l.c.l., f.o.b. N. Y....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y....lb. .12 - —
3 bbls. c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b. N. Y....lb. .14 - —
4, bbls., c.l., f.o.b., N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y....lb. .25 - —
Vine, A, bbls., works or N. Y. lb. .04¼- —
B, bbls., works or N. Y....lb. .05½- —
Black dyes are listed under Dyes.
Black haw, root bark, bls....lb. .30 - .32
Tree bark, bls....lb. .13 - .14
Black Indian hemp root, bls...lb. .12 - .13
Blanc fixe, dry, by-product, bgs., c.l..ton.60.00 -65.00
l.c.l. ....ton.65.00 -70.00
high grade precip., bgs., c.l., works, frt. equal..ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp, 66⅔%, bulk, c.l., works, ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works....100 lbs. 2.25 - 2.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y. unit-ton. 3.50 - —
high-grade, grd., 16-17% ammon, bulk, f.o.b. Chi. unit-ton. 3.00 - —
import, bgs. c.i.f. ports, Sept.-Oct. shipt.unit-ton. 3.45 - —
soluble (see Albumen, blood)
Bloodroot, bls....lb. .13 - .14
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .90 - —

Alkali blue toner prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Bronze, bbls, same basis, alkali toner, contracts..lb. .36 - —
open order....lb. .37 - —
Celestial, bbls....lb. .10 - .12
Chinese, bbls., same basis alkali toner, contracts..lb. .36 - —
open order....lb. .37 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order....lb. .37 - —
Potash, bbls., same basis alkali toner, contracts..lb. .45 - —
open order....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order....lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts..lb. .36 - —
open order....lb. .37 - —
Ultramarine, dry, jobbing bbls., works, frt. equaled..lb. .10 - —
regular, 1, bbls., works, frt. equald..lb. .15 - —
2, bbls., same basis....lb. .17 - —
3, bbls., same basis....lb. .18 - —
4, bbls., same basis....lb. .19 - —
5, bbls., same basis....lb. .22 - —
6, cobalt, A, same basis.lb. .26 - —
B, bbls., same basis.lb. .23 - —
C, bbls., same basis.lb. .22 - —
D, bbls., same basis.lb. .21 - —
7, A, bbls., same basis..lb. .22 - —
B, bbls., same basis...lb. .21 - —
special, 1, bbls., same basis lb. .18 - —
2, bbls., same basis....lb. .19 - —
3, bbls., same basis....lb. .21 - —
4, bbls., same basis....lb. .22 - —
5, bbls., same basis....lb. .24 - —
6, bbls., same basis....lb. .26 - —
pulp, 1, bbls., same basisNlb. .26 - —
2, bbls., same basis....lb. .24 - —
3, bbls., same basis....lb. .22 - —
4, bbls., same basis....lb. .19 - —

Ultramarine, blue, dlvd, ex whse, is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.

Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls....lb. .15 - .16
Blue mass, USP., cns., kgs...lb. 1.00 - 1.05
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works.100 lbs. 5.15 - —
16-25 bbls., same basis, 100 lbs. 5.40 - —
6-15 bbls., same basis, 100 lbs. 5.50 - —
3-5 bbls., same basis, 100 lbs. 5.75 - —
1-2 bbls., same basis, 100 lbs. 5.90 - —
monohydrated, dms., c.l. dealers..lb. .10 - —
l.c.l., dealers....lb. .11 - —
Bluestone (see Blue vitriol)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.29.00 -30.00
c.i.f., Atlantic ports..ton.33.00 - —
import, bgs., c.i.f. ports..ton.30.00 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.22.00 -24.00
import, 100-lb. bgs., c.i.f. ports, shipt..ton.26.00 - —
phosphate, precip. (see Calcium phosphate dibasic, precip.)
steamed, dom., 1¼% ammon. 60% phos., bgs., f.o.b. Chicago..ton.20.00 -21.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports.ton.22.50 - —
Borage flowers, bls....lb. .20 - .21
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.52.00 - —
l.c.l., ex whse....ton.61.00 -66.00
sks., contracts, 80 tons min., dlvd..ton.42.00 - —
l.c.l., ex whse....ton.51.00 -56.00

READY ACCEPTANCE

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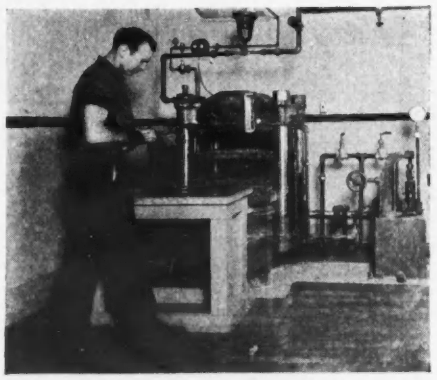
Continental Carbon Company's first few months' production of carbon black has been tested extensively...approved...and is now being used in increasing quantities by some of the country's most discriminating companies. Here is the ready acceptance that a fine product deserves to receive. Continental assures you the same high quality and uniformity in meeting your requirements for carbon black and offers you experienced cooperation in all matters pertaining to its use.



CONTINENTAL CARBON COMPANY

295 MADISON AVENUE, NEW YORK, N. Y.

Borax, tech., powd., bbls., contracts, 80 tons min., dlvd..ton.57.00 - —
l.c.l., ex whse.....ton.66.00 -71.00
sks., contracts, 80 tons min., dlvd..ton.47.00 - —
l.c.l., ex whse.....ton.56.00 -61.00
USP., $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers East of and inc. N. D., S. D., Neb., Kan., Okla., Texas..lb. .10 - —
consumer, same basis....lb. .10½- —
l.c.l., dealers, dms., same basis..lb. .10½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots.....lb. 1.75 - 2.00
cns .....lb. 1.50 - —
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots. .....lb. 3.25 - 4.50
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .65
moulding, cns., dms., over 10 lbs..lb. .65 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls.....lb. .11 - .15
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .12¼- —
Metallic, bbls., works.....lb. .02¼- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., works..lb. .03 - —
Italian, 1, bbls., f.o.b. N. Y. or Pa. points.....lb. .12¼- —
2, bbls., same basis....lb. .11¼- —
3, bbls., same basis....lb. .10¼- —
4, bbls., same basis....lb. .08¾- —
5, bbls., same basis....lb. .08¾- —
6, bbls., same basis....lb. .08¼- —
7, bbls., same basis....lb. .08 - —
8, bbls., same basis....lb. .07¾- —
9, bbls., same basis....lb. .07¼- —
10, bbls., same basis....lb. .06¾- —
11, bbls., same basis....lb. .06¾- —
12, bbls., same basis....lb. .06¼- —
13, bbls., same basis....lb. .06 - —
14, bbls., same basis....lb. .05½- —
raw, American, bbls., works, lb. .02¾- —
Italian, 1, bbls., f.o.b. N. Y. or works.....lb. .12½- —
2, bbls., same basis....lb. .10¾- —
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .09½- —
5, bbls., same basis....lb. .09 - —
6, bbls., same basis....lb. .08½- —
7, bbls., same basis....lb. .07¾- —
8, bbls., same basis....lb. .07¼- —
9, bbls., same basis....lb. .06¾- —
10, bbls., same basis....lb. .06 - —
11, bbls., same basis....lb. .05 - —
Umber, American, bbls., works. lb. .02¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N.Y.....lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .04½- —
ex dock Portland, San Francisco, Seattle..lb. .04¾- —
ex whse. Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04¾- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04½- —
Vandyke, bbls., l.c.l.....lb. .05¾- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .50 - .51
Buckthorn bark, true, bls.....lb. .04 - .05
Berries, bgs.....lb. .19 - .20
Burdock root, bls.....lb. .09½- .10
Burgundy pitch, dom., bbls., c.l., works..lb. .05½- —
l.c.l., dlvd. E.....lb. .06¾- —
import., stands.....lb. .15 - .16
Butanes, coml., 16-32°, tanks, group 3..gal. .02¼- .03¾
Butternut bark, bls.....lb. .07½- .08
Butyl acetate, norm., dms., c.l., contract, frt. alld..lb. .10 - —
l.c.l., contract, frt. alld.lb. .10½- —
tanks, contract, frt. alld.lb. .09 - —
Secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .08 - —
l.c.l., same terms.....lb. .08½- —
tanks, same terms.....lb. .07 - —
Alcohol (see Alcohol):—
Aldehyde, dms., l.c.l.....lb. .17½- —
Carbinol (see Carbinol).
Lactate, dms.....lb. .22½- —
Propionate, dms., dlvd.....lb. .17 - —
Stearate, dms.....lb. .26 - —
Butyric ether, bots.....gal. 6.60 - 6.95
cns., works.....lb. .65 - .70
dms, frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium bromide, bots., jars.lb. 1.86 - 2.00
Iodide, bots.....lb. 4.16 - 4.21
Jars .....lb. 4.02 - —
Lithopone (see Yellow).
Metal, cs.....lb. 1.60 Nom.
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100 lb. dms., 10,000 lbs. or more..lb. 2.05 - —
2,000 lbs., or more.....lb. 2.10 - —
1,000 lbs., or more.....lb. 2.15 - —
100 lbs.....lb. 2.25 - —
25 lb. dms. 10,000 lbs., or more. lb. 2.08 - —
2,000 lbs., or more.....lb. 2.10 - —
1,000 lbs., or more.....lb. 2.18 - —
100 lbs.....lb. 2.28 - —
25 lbs.....lb. 2.40 - —
10-lb. cns., 10,000 lbs., or more..lb. 2.10 - —
2,000 lbs., or more.....lb. 2.15 - —
1,000 lbs., or more.....lb. 2.20 - —
100 lbs.....lb. 2.30 - —
less than 100 lbs.....lb. 2.45 - 2.60
5 lb. cns., 25 lbs., or more. lb. 2.40 - —
less than 25 lbs.....lb. 2.55 - 2.70
Citrated, cns.....lb. 1.70 - 1.75
Hydrobromide, bots.....lb. 4.82 - 4.87
Calabar beans, bgs.....lb. .25 - .26
Calamus root, bleached, cs.....lb. .45 - .50
peeled, bls.....lb. .10 - .12
Calcium acetate, bgs., dlvd..... 100 lbs. 2.25 - —
Arsenate, dms., c.l., dealers, North and West..lb. .06¾- —
l.c.l., dealers.....lb. .07¼- —
Southern cotton State, dealers, dms., c.l...lb. .06½- —
l.c.l., dealers .....lb. .07 - —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Calcium, bromide, jars.....lb. .70 - .75
Carbide, dms .....lb. .05 - .06
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-88%, bgs., dms., c.l., dlvd., ton.22.00 -35.00
l.c.l., 1 ton or over, dlvd..100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.20.00 -33.00
l.c.l., 1 ton or over, dlvd..100 lbs. 1.60 - 2.25
Gluconate, U.S.P., gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000 lb. lots..lb. 1.00 - —
smaller lots .....lb. 1.15 - —
cns., 25 lbs. .....lb. 1.40 - —
Hypophosphite, cns. .....lb. .62 - .67
Iodide bots., jars.....lb. 3.70 - 3.85
Lactate, USP., bbls., 200 lbs.lb. .25 - —
Nitrate, bgs., to tert. mfrs., ex vessel..ton.27.50 - —
Palmitate, bbls.....lb. .22 - .23
Phosphate, dibasic, precip., 38-42% P_2O_5, bgs., c.l.f. Atlantic ports, shipt..unit-ton. .74 - —
tribasic, c.l., bbls., works.lb. .06½- —
l.c.l., bols.....lb. .07½- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots .....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
Sulphate (see Gypsum)
Sulphide, 75%, CaS (minus 100 mesh), c.l., works, ton.52.00 - —
l.c.l., works .....ton.56.00 - —
83/85 CaS, c.l., works...ton.58.00 - —
l.c.l., works.....lb.04.00 - —
luminous, dom., tins, works, 100 lbs. .75 - —
Sulphocarbolate, bbls.,200 lbs.lb. .48 - —
kgs., 100 lbs. .....lb. .50 - —
Calendula flowers, bls.....lb. .38 - .40
Calomel, bbls., fib., dms., kgs., lb. 1.59 - 1.60
Camphor, natural, powd., cs..lb. .54 - .55
slabs, cs.....lb. .54 - .55
tablets, tins.....lb. .59 - .60
synthetic, dom., imp., gran., powd., bbls., 2,000 lbs..lb. .50 - —
500 lbs.....lb. .51 - —
100 lbs.....lb. .52 - —
tablets, imp.,cs. 2,000 lbs.lb. .54 - —
500 lbs.....lb. .55 - —
100 lbs.....lb. .56 - —
Monobromate, bxs., kgs.....lb. 1.60 - 1.65
Canada balsam (see Fir balsam)
Canary seed, Argentine, bgs...lb. .0560- .0565
Morocco, bgs.....lb. .0560- .0565
Turkish, bgs.....lb. .0545- .0560
Canella alba bark, bls.....lb. .37 - .38
Cannabis herb, bls.....lb. .18 - .20
Cantharides, Chinese, cs.....lb. .65 - .70
powd., bxs.....lb. .90 - .95
Russian, cs.....lb. 1.25 - 1.30
powd., bxs.....lb. 1.60 - 1.65
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs....lb. .07½- .08
Carbazole, 70-80%, dms., works.lb. .90 - —
90%, dms., works .....lb. .89 - —
95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works.. lb. .85 - —
98.5-99%, dms., ton lots, works, lb. .75 - —
smaller quantities, works.. lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
secondary, dms., works....lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Methylpropyl, dms., works...lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works.lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5 gal. dms., c.l., same basis. lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .04½- —
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, 55-gal. or 110-gal., dms., c.l. (20 tons), frt. alld. E. of Miss. R., N. of Ohio R..lb. .05¼- —
l.c.l., same basis.....lb. .05¾- —
10-gal. dms., c.l., (20 tons), same basis..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
5-gal. dms. c.l. (20 tons), same basis..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .05 - —
Fire extinguisher liquid. 2c. lb. higher.
Cardamom, bleached, cs.....lb. 1.65 - 1.90
decorticated, cs.....lb. 1.35 - 1.40
green, bgs.....lb. .92 - .94
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .11¾- .12
Case-hardening mixture, 45%, gran., dms., l.c.l..lb. .11¾- —
lump, dms., l.c.l.....lb. .10¾- —
60%, lump, dms., l.c.l.....lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .13 - .14
5 tons, works.....lb. .14½- —
smaller lots, works.....lb. .15 - —
80-100 mesh, bgs., c.l., dlvd., lb. .13½- .14¼
5 tons, works.....lb. .15 - —
smaller lots, works.....lb. .15½- —
Import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .18 - —
80-100 mesh, bgs., c.l., duty pd..lb. .18½- —
French, 30 mesh, bgs., c.l., duty pd..lb. .17 - .18
Cassia, Batavia, 1, bgs.....lb. .16¾- .17¼
3, bls.....lb. .08¼- .08¾
short stick, bls.....lb. .13¾- .14
China, rolls, select, cs.....lb. .05½- .05¾
broken, extra bls.....lb. .04 - .04¼
Saigon, bls.....lb. .16 - .16¼
Cassia buds, cs.....lb. .20 - .21
Cassia fistula, bskts.....lb. .11 - .12
Castile soap, white, bars, cs., 40 lbs.11.75 -12.50
powd., bbls.....lb. .28 - .35
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5¼% ammon., bgs., c.l., works..ton.23.00 - —
import, bgs., c.i.f.,ports, shipment...ton.24.25 - —
Catnep leaves, bls.....lb. .18 - .19
Celery seed, French, bgs.....lb. .17 - .17½
Indian, bgs.....lb. .13 - .15½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, cs., works..lb. .40 - —
Acetobutyrate, 501 lbs. and over, works..lb. .52 - —
10± lbs., works.....lb. .58 - —
smaller lots, works.....lb. .55 - —
Cement, white, bbls. (4 bags), 5 tons, dlvd. N. Y..bbl. 6.50 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .28 - —
kgs., works.....lb. .30 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .28 - .30
Roman, bls.....lb. .24 - .25
Charcoal, softwood, powd., bgs., c.l., dlvd. Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Colo. .....ton.27.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.30.80 - —
Ill., (except river points), Minn., Neb., Wis. .....ton.25.00 - —
Indiana .....ton.26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)..ton.23.00 - —
Kansas, El Paso, Tex. ton.24.00 - —
Michigan .....ton.27.80 - —
Ohio, Penn.....ton.29.80 - —
Utah .....ton.34.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works, lb. .02125- —
l.c.l., bbls., works.....lb. .0225- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton. 9.50 -15.50
bulk, c.l., works...ton. 6.50 - —
99.75% 200 mesh, bgs., c.l., works..ton. 8.00 - —
l.c.l., works.....ton. 9.00 -15.00
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works ton. 9.00 - —
paper bgs., c.l., works, ton.12.00 - —
Import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.22.00 -25.00
powd., csks., l.c.l., ex dock, ton.35.00 - —
ex whse.....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs., lb. .83 - .92
500 lbs. .....lb. .86 - .95
100 lbs. .....lb. .88 - .97
25 lbs. .....lb. .90 - .99
1-10 lbs. .....lb. .95 - 1.02
dms., 1,000 lbs. .....lb. .80 - —
500 lbs. .....lb. .83 - —
100 lbs. .....lb. .85 - —
Chlorine, liq., cyls., c.l., dlvd., N.Y..lb. .05½- —
contracts, dlvd., N.Y...lb. .05½- —
l.c.l., dlvd., N.Y .....lb. .07½- —
tanks, single unit, works, frt. equald..100 lbs. 2.15 - —
multiple unit, 3 or over, wks., frt. equald.100 lbs. 2.30 - —
2, works, frt. equald... 100 lbs. 2.55 - —
1, works, frt. equald... 100 lbs. 3.00 - —
Chloroacetophenone, tins,works.lb. 3.00 - 3.50
Chloroform, tech., 650-lbs. drums, lb. .20 - —
100-lbs. dms.....lb. .22 - —
50-lb. dms.....lb. .25 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms... .....lb. .33 - —
Chloropicrin, coml., 185-lb. cyls., works..lb. .80 - —
5-lb. cyls., same basis....lb. 1.15 - —
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .13 - —
smaller pkgs., works....lb. .17 - —
solut., 8% cs., bbls.....lb. .05 - .08
Cake, bulk, c.l., works....ton.11.00 -12.00
Green (see Green, chrome oxide)
Oxide (see Green, chrome oxide)
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic)
Yellow (see Yellow, chrome)
Chrysarobin, cns.....lb. 3.25 - 3.50
Cinchona bark, chips, bgs.....lb. .18 - .19
high test, bgs.....lb. .45 - .50
quills, broken, bgs.....lb. .18 - .19
long, cs.....lb. .55 - .60
short, bgs.....lb. .50 - .55
Ecuador, tubes.....lb. .18 - .20
Cinchonidine, crys., small cns., 100 ozs..oz. .83 - —
large, cns.....100 ozs..oz. .87 - —
powd., cns.....100 ozs..oz. .80 - —
Sulphate, N.F., cns..100 ozs.oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns..100 ozs..oz. .34 - —
Cinchophen, USP, boxes, 5 lbs., lb. 3.75 - —
bots., 1 lb.....lb. 3.27 - —
dms., 100 lbs.....lb. 3.00 - —
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, f.f.c. bots.....lb. 1.55 - 2.00
Cinnamon, Ceylon, 2, bls....lb. .17 - .17¼
3, bls. .....lb. .16¼- .16½
Citral, bots., cns.....lb. 1.70 - 3.15
Citrine ointment, jars, tubes.lb. .75 - —
Citronellal, bots., dms.....lb. 1.00 - 1.50
Citronellol, bots., dms.....lb. 1.75 - 1.80
Clove, Madagascar, bls.....lb. .15¾- .16
Zanzibar, bls.....lb. .17 - .17½
Clove, Madagascar, bls.....lb. .16 - .16¾
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .08
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .09
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.00 - —
refd., dms., c.l., works...dm. 8.25 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .66 - .68
Carbonate, tech., bbls., dlvd.lb. 1.63 - —
Chloride, dms., works.....lb. 1.03 - 1.18
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 6%, dms...lb. .31 - —
solid, 8½%, bbls.....lb. .32 - —
Oleate, bbls.....lb. .26 Nom.
Oxide, black, kgs.....lb. 1.67 - —
Resinate, fused, A, bbls.....lb. .13½- —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .39 - —
Cocaine hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs..... lb. .35 - .38
Teneriffe, silver, bgs.....lb. .36 - .39
Cocillana bark, bgs.....lb. .38 - .70
Cocoa butter, lumps, bgs., c.l..lb. .14½- .19
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —

Borax—Diamyl Sulph.

Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07½- .08
Blue, root, bls.....lb. .06½- .07
Colchicine, bots., 4 ozs.....oz.25.00 - —
single ozs.....oz.26.00 - —
Colchicum seed, bgs.....lb. .25 - .27
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .37 - .38
Colombo root, bls.....lb. .20 - .21
Coltsfoot leaves, bgs.....lb. .07 - .08
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .18 - .19
Copaiba, balsam, Para, cns...lb. .34 - .35
S.A., USP, cns.....lb. .36 - .37
Copper acetate, normal, bbls., c.l., works..lb. .23 - —
l.c.l., bbls.....lb. .25 - —
Carbonate, 52-54%, bbls.....lb. .18 - —
18-20%, bbls.....lb. .10½- .12
Chloride, bbls.....lb. .15 - .17
Cyanide, tech., bbls.....lb. .37 - .39
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolytic.....lb. .14 - —
Nitrate, cryst., bbls.....lb. .15 - —
Oleate, percip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .18½- —
smaller lots, works.....lb. .19 - —
red, com'l, 50-75%, kgs., f.o.b. N.Y..lb. .19775- —
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23 - .24
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works..ton.14.00 -15.00
bbls., c.l., works.....ton.16.00 -17.00
l.c.l., 25 or over, works.... 100 lbs. 1.35 - —
5-24, works.....100 lbs. 1.50 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.12.00 -13.00
Copra, bgs., Pacific Coast.....lb. .0250 Nom.
Coriander seed, Morocco, bgs..lb. .08½- .09
bleached, bgs.....lb. .09½- .09½
Corn sugar, tanners, bbls., c.l., dlvd..100 lbs. 3.79 - —
ex whse.....100 lbs. 3.89 - —
Syrup, 42°, bbls., c.l....100 lbs. 3.91 - —
43° bbls., c.l. .....100 lbs. 3.96 - —
Cornsilk, bls. .....lb. .07 - .08
Corrosive sublimate, cryst., dms., lb. 1.37 - 1.38
gran., powd., dms.....lb. 1.22 - 1.23
Cottonroot bark, bls.....lb. .12 - .13
Cottonseed hull ash, 25-30% pot-ash, bulk, dlvd..unit-ton. 2.05 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 3.00 - —
5-lb. cns.....lb. 3.10 - —
1-lb. cns.....lb. 3.25 - —
1-oz. cns.....lb. 3.60 - —
less than 5 lbs., cns.....lb 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .20 - .22
so-called, bls. .....lb. .07 - .08
Cranesbill root, bls. .....lb. .16 - .20
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .19¾- —
smaller lots, bbls.....lb. .20¼- —
kgs. .....lb. .20¾- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works....gal. .13½- .14
Coaltar solution, tanks, works gal. .118 - .128
refd., bbls., c.l., works..gal. .22¼- —
l.c.l., works.....gal. .25 - —
tanks, works.....gal. .18 - .18¼
Cresol, USP, dms., c.l., works.lb. .12 - —
l.c.l., same basis.....lb. .12¼- —
Crotonaldehyde, tech., dms., c.l., works..lb. .26 - —
l.c.l., works.....lb. .30 - —
Cube root, powd., 5% rotenone, bbls., 30,000 lbs., frt. equaled., with Newark, Balto., and West Coast, lb. .27 - —
10,000 lbs. and over, same basis..lb. .28 - —
2,000 lbs. and over, same basis..lb. .29 - —
1,000 lbs. and over, same basis..lb. .31 - —
200 lbs. and over, same basis..lb. .33 - —
Cube root, powd., 4% rotenone prices, 5c. per lb less.
coarse grd., 4% & 5% rotenone, prices 1c. less than powd.
3% rotenone, 6c. less than powd.
Cubeb berries, XX, bgs.....lb. .30 - .31
powd., cs.....lb. .34 - .35
Culver's root, bls.....lb. .17 - .19
Cumin seed, Algerian, bgs.....lb. .09¼- .09½
Indian, bgs.....lb. .10 Nom.
Morocco, bgs.....lb. .09¼- .09½
Cutch, Philippine, bls., c.l...lb. .04 - —
Cyanamide, 21-22% N., pulv., bgs., dlvd., contra., NH_3 unit..lb. 1.15 - —
Cyanide-chloride, mixture, 75%, gran., dms..lb. .16 - .17
lump, dms .....lb. .14 - .15

D

Damiana leaves, bls.....lb. .17 - .18
Dandelion root, German, bls..lb. .19 - .20
Deertongue leaves, bls.....lb. .15 - .16
Degras, common, dom., bbls..lb. .08 Nom.
English, bbls.....lb. .08 Nom.
neutral, dom., bbls.....lb. .12¼ Nom.
English, bbls.....lb. .12¼ Nom.
Derris root, powd., 5% rotenone, bbls., 30,000 lbs., 1 shipment, f.o.b. N.Y.C., or Balto., frt. prepaid to West Coast ports....lb. .39 - —
30,000 lbs., contract or orders, basis..lb. .39½- —
10,000 lbs., same basis.lb. .40 - —
2,000 lbs., same basis.lb. .41 - —
bbl., same basis....lb. .44 - —
less than 100 lbs., same basis..lb. .47 - —
Import contracts, 30,000 lbs..lb. .21½- —
10,000 lbs. .....lb. .22 - —
4% rotenone prices 6c. per lb. less
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.60 - —
...c.l., f.o.b. Chicago..100 lbs. 4.70 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.25 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.45 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 4.30 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.50 - —
Potato, import, bgs.....lb. .07¾- .08¾
Tapioca, bgs., ex whse.....lb. .08 Nom.
Diamyl ether, dms., c.l., works. lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd..lb. .20½- —
l.c.l., dlvd.....lb. .21 - —
tanks, dlvd.....lb. .19½- —
Sulphide, dms., l.c.l., works..lb. 1.10 - —

Diamylene—Epsom Salt

Diamylamine, dms., c.l., works., lb. .47 - —
l.c.l., works....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works....lb. .102 - —
tanks, works....lb. .085 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -85.00
l.c.l., ex whse....ton.45.00 -150.00
import, bgs., c.l., c.l.f....ton.30.00 - —
Dibutyl phthalate, dms....lb. .21 - —
Tartrate, dom., dms....lb. .35 - .40
import., dms....lb. .80 - .85
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichloroethyl ether, dms., c.l. works..lb. .15 - —
l.c.l., works....lb. .16 - —
tanks, works....lb. .14 - —
Diethanolamine, dms., c.l., works..lb. .26 - —
l.c.l., works....lb. .27 - —
tanks, works....lb. .25 - —
Diethyl carbonate, coml., dms..lb. .31¾- —
refd., 99%, dms....lb. .50 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l....lb. .19 - —
l.c.l....lb. .19½- —
tanks....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works....lb. .14 - —
tanks....lb. .12 - —
Diethylanilin, dms....lb. .50 - —
Diethyleneglycol, dms., c.l.,works, lb. .22 - —
l.c.l., works....lb. .23 - .26
Monobutylether, dms., works.lb. .26 - .27
Diethyleneglycol, Monoethylether, dms., c.l., works..lb. .16 - —
l.c.l., works....lb. .17 - —
tanks, works....lb. .15 - —
Digitalis leaves, dms....lb. .33 - .35
Diglycol oleate, light, bbls....lb. .21 - .24
Dillseed, recleaned, bgs....lb. .07½- .08
Dimethyl phthalate, dms....lb. .21 - —
Dimethylanilin, dms....lb. .26 - .27
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls....lb. .16 - .18
Dinitrochlorobenzene, bbls....lb. .16½- .17¼
Dinitronaphthalene, kgs....lb. .35 - .38
Dinitrophenol, bbls....lb. .23 - .24
Dinitrotoluene, dms....lb. .14½- .15½
oily, dms....lb. .09 - —
Diorthotoluolguanidin, dms, 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd....lb. .46 - —
150-450 lbs., dlvd....lb. .47 - —
Dip oil (see Tar acid oil).
Dipentene, dms....gal. .47 - .50
tanks....gal. .41 - —
Diphenyl, bbls, c.l., works....lb. .15 - —
l.c.l., works....lb. .20 - .25
Oxide, bots....lb. .70 - 1.00
Diphenylamine, bbls....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd....lb. .36 - —
150-450 lbs., dlvd....lb. .37 - —
Diphenylmethane, bots....lb. 1.40 - 2.00
Disodium phosphate (see Soda phosphate, dibasic)
Divi-divi, bgs., shipment....ton.34.00 Nom.
Doggrass root, cut, bls....lb. .12 - .13
Dogwood bark, dom., bls....lb. .07 - .08
Jamaica, bls....lb. .07 - .08
Dover's powder, USP, cns....lb. 2.75 - 2.80
Dragon's blood, mass, cs....lb. .65 - .85
reeds, thin, cs....lb. .85 - .90
Dubolsine sulphate, vls....oz.34.50 -35.00
36 Chrome yellow 9G....lb. .64 - .70

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
40 Chrome yellow R....lb. .50 - 1.00
53 Victoria violet....lb. .80 - 1.00
165 Lake red C....lb. 1.00 - —
176 Fast red A....lb. .60 - .75
180 Fast red VR....lb. 1.50 - 1.65
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powdered..lb. 2.00 - 2.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A....lb. 1.75 - 2.00
208 Fast red blue R....lb. .75 - 2.00
216 Chrome red B....lb. 1.75 - 2.00
262 Cloth red 2B....lb. .60 - .80
289 Fast cyanin 5R....lb. .90 - 1.00
299 Chrome black F....lb. .60 - .65
307 Fast cyanin black B...lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
364 Paper yellow....lb. .83 - .90
365 Chrysophenin G....lb. .58 - .70
394 Direct violet N....lb. 1.25 - 1.30
382 Direct scarlet B....lb. 1.50 - 1.75
387 Direct violet B....lb. 1.00 - 1.30
401 Developed black BHN..lb. .50 - .75
406 Direct blue 2B....lb. .25 - .30
415 Direct orange R....lb. .60 - .70
419 Direct fast red F....lb. .75 - .85
420 Direct brown M....lb. 1.00 - 1.10
448 Benzo purpurin 4B....lb. .40 - .42½
495 Benzo purpurin 10B....lb. .40 - .50
502 Direct azurin G....lb. .75 - .80
512 Direct blue RD....lb. .90 - 1.00
518 Direct pure blue 6B....lb. 1.10 - 1.25
520 Direct pure blue....lb. .50 - 1.00
529 Direct fast black FF..lb. .53 - 1.00
581 Direct black EW....lb. .25 - .50
582 Direct black RX....lb. .35 - .45
598 Direct green B....lb. .75 - .80
594 Direct green G....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .35 - 1.00
609 Direct yellow R....lb. 1.25 - 1.50
698 Acid violet....lb. 1.00 - 3.00
812 Primulin....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin(water soluble)..lb. .35 - .50

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
1177 Indigo, 20 p.c., paste...lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black....lb. .20 - .35
Sulphur blue....lb. .40 - 1.00
Sulphur brown....lb. .25 - .50
Sulphur maroon....lb. .40 - —
Sulphur olive....lb. .25 - .54
Sulphur tan....lb. .30 - .50
Sulphur yellow....lb. .30 - .50
Zambesi black....lb. .75 - .80

Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives..lb. .42 - —
Blue:—
1075 Alizarin astrol base..lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
729 Victoria blue....lb. .75 - —
Browns:—
Brown....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green..lb. 5.00 - —
.... Green....lb. .75 - —
Orange:—
24 Sudan I....lb. .70 - —
.... Orange, red shade..lb. .75 - —
Red:—
73 Sudan II....lb. 1.05 - —
258 Sudan IV....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthroquinone violet base..lb. 6.00 - —
680 Oil violet....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OT....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin....lb. .40 - —
Blue:—
729 Victoria blue....lb. 2.55 - —
860 Indulin....lb. .70 - —
Brown:—
331 Bismarck brown....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G....lb. .95 - —
21 Chrysoidin R....lb. .95 - —
Red:—
677 Fuchsin, magenta base. lb. 7.25 - —
749 Rhodamine B....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine....lb. 2.00 - —
800 Chinolin yellow SS..lb. 3.00 - —
Violet:—
680 Methyl violet....lb. 1.00 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
865 Nigrosin....lb. .36 - —
873 Methylene gray....lb. 1.50 - —
Blue:—
714 Patent blue A....lb. 1.45 - —
729 Victoria blue B....lb. 2.00 - —
861 Indulin....lb. .87 - —
909 New blue R....lb. 1.30 - —
922 Methylene blue....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green....lb. 1.35 - —
662 Brilliant green....lb. 2.00 - —
666 Guinea green B....lb. 1.15 - —
737 Wool green S....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:
10 Chrysoidin G....lb. .40 - —
21 Chrysoidin R....lb. .37 - —
27 Orange G....lb. .50 - —
151 Orange Y....lb. .30 - —
161 Orange R....lb. .34 - —
Red:—
31 Amidonaphthol red G, lb. .42 - —
57 Amidonaphthol red 6B, lb. .68 - —
79 Ponceau R....lb. .48 - —
88 Fast red B....lb. 1.05 - —
176 Fast red A....lb. .54 - —
179 Azorubin....lb. .52 - —
183 Crocein scarlet 3BX..lb. .60 - —
185 Cochineal red A....lb. .60 - —
252 Brilliant crocein M..lb. .68 - —
677 Fuchsin....lb. 1.90 - —
749 Rhodamine B....lb. 3.50 - —
752 Rhodamine 6G....lb. 4.50 - —
768 Eosin G....lb. 1.50 - —
841 Safranin....lb. 1.45 - —
Violet:—
680 Methyl violet B....lb. .75 - —
681 Crystal violet C....lb. 1.75 - —
695 Acid violet 4BN....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .88 - —
128 Metanil yellow....lb. .53 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin....lb. .80 - —
655 Auramine....lb. 1.27 - —

Dyes, natural (see name of article).

E

Echinacea root, bls....lb. .26 - .27
Egg albumen (see Albumen).
Yolk, dom., cs....lb. .68 Nom.
import, cs....lb. .60 Nom.
Elder flowers, bright, bls....lb. .20 - .21
dark, bls....lb. .18 - .19
Elecampane root, bls....lb. .11 - .12
Elm bark, grinding, bls....lb. .11 - .12
powd., bbls., bxs....lb. .20 - .21
select, bndls....lb. .23 - .25
Emetine hydrochloride, bots...oz.17.00 -18.00
Ephedra, bls....lb. No offers
Ephedrine, tins, 100 ozs....oz. 3.15 - 4.81
Hydrochloride, tins, 100 ozs..oz. 2.95 - 4.01
Sulphate, cryst., tins, 100 ozs.oz. 2.95 - 4.01
powd., tins., 100 ozs....oz. 3.00 - 4.06
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.25 - —
smaller lots....lb. 2.50 - —

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l.c.l., 5,000 lbs. 1 withdrawal lb. 2.35 - —
smaller lots lb. 2.60 - —
kgs., c.l. lb. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal lb. 2.60 - —
smaller lots lb. 2.85 - —
dried, dom., bgs., l.c.l. lb. .08 - .10
Ergot, USP, cs., dms. lb. 1.45 - 1.50
Eserine, bots. oz. 42.00 - —
Salicylate, bots. oz. 29.00 -30.00
Sulphate, bots. oz. 30.00 - —
Ether, acetic, dms., 400 lbs. lb. .09 - —
cns., 35 lbs. lb. .14 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs. lb. .14 - —
synth., dms., c.l., works lb. .08 - —
l.c.l., works lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms. lb. .39 - .40
washed, dms. lb. .37 - .38
Ethyl acetate, dms., c.l., frt. alld. lb. .07½- —
l.c.l., frt. alld. lb. .08 - —
tanks, frt. alld. lb. .06½- —
anhyd., dms., c.l., frt. alld. lb. .08½- —
l.c.l., frt. alld. lb. .09 - —
tanks, frt. alld. lb. .07½- —
Acetoacetate, dms., c.l., works. lb. .27½- —
l.c.l., dms., works lb. .28 - —
Bromide, tech., dms. lb. .50 - .55
Caoroate, cns. lb. 1.00 - —
Chloride, dms. lb. .22 - .24
Cinnamate, cns. lb. 3.40 - 4.25
Crotonate, dms., works lb. 1.00 1.25
Formate, dms. lb. .27 - .28
Iodide, bots. lb. 5.55 - 5.70
Lactate, 55-gal. dms., works lb. .33 - —
5-gal. dms., works lb. .36 - —
Oxalate, dms. lb. .30 - .34
Silicate, l.c.l., dms., works lb. .77 - —
Ethylcellulose, bgs., 500 lbs. or more, frt. alld. lb. .70 - —
100 lbs., frt. alld. lb. .75 - —
smaller lots, works lb. 1.00 - —
Ethylene bromide, dms. lb. .65 - .70
Dichloride, dms, c.l., works, E. of Rockies, frt. alld. lb. .0545- —
West of Rockies, same basis lb. .0595- —
l.c.l., dms., works, E. of Rockies, frt. alld. lb. .0644- —
West of Rockies, same basis lb. .0694- —
Ethyleneglycol, dms., c.l. lb. .17 - —
l.c.l. lb. .18 - .21
tanks lb. .16 - —
Monobutylether, dms., c.l., works lb. .20 - —
l.c.l., works lb. .21 - .24
tanks, works lb. .19 - —
Monoethylether, dms., c.l., works lb. .16 - —
l.c.l., works lb. .17 - —
tanks, works lb. .15 - —
Monoethylether acetate, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Monomethylether, dms., c.l., works lb. .18 - —
l.c.l., works lb. .19 - .22
tanks works lb. .17 - —
Ethylidinanilin, dms lb. .45 - .47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - —
l.c.l., same terms lb. .07½- —
tanks, same terms lb. .06 - —
Ethylorthoparatoluenesulphonamide, bbls. lb. .55 - —
Ethylparatoluenesulphonamide, bbls. lb. .60 - —
Eucalyptol, cns., dms. lb. .58 - .60
Eucalyptus leaves, bls. lb. .09 - .10
Eugenol, bgs., cns. lb. 2.10 - 2.55
Euphorbia, bls. lb. .06 - .06¼

F

Feldspar, enamel, 100 mesh, bulk, works ton. 14.00 -15.00
glass, 20 mesh, bulk, works ton. 11.00 -12.25
pottery, bulk, Me. works ton. 17.00 -19.00
N.C. works ton. 17.00 -19.00
Fennel seed, French type, bgs., lb. .07½- .08
Indian, bags lb. .07½- .07¾
German, large, bgs. lb. .13 - .19
small, bgs. lb. .13 - .14
Fenugreek seed, bgs. lb. .04¼- .04¾
Ferric sulphate, dms., works ton. 35.00 -40.00
Film scrap, colors, dark, cs., 1,000 lbs. or over, E. works lb. .12½- .13
smaller lots, E. works. lb. .13½- .14
light, cs., 1,000 lbs. or over, works lb. .14 - .15
smaller lots, E. works lb. .15 - .16
water white, cs., 1,000 lbs. or over, E. works lb. .15 - .16
smaller lots, E. works lb. .16 - .17
Film scrap prices f.o.b. Calif. works, lc. lb. lower.
Fir balsam, Canada, cns. gal. 8.75 -13.00
Oregon, bbls gal. 1.60 - 1.70
Fish berries, bgs. lb. .09 - .10
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures unit-ton. 4.00 & .10 Nom.
resale unit-ton. 3.50 & .10
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto. ton. 54.00 - —
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, E. cst. factories, contracts unit-ton. 3.00 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f., ports, shipt. ton. 48.00 - —
Flake white, bbls., kgs. lb. .08¾- .09
Fleaseed, French, black, bgs. lb. .10¾- .11
Indian, blonde, bgs. lb. .10 - .11
Fluorspar, enamel, 96-98%, bgs., ton. 33.00 - —
standard, gravel, washed, 85 and 5%, dom., bulk f.o.b. Ill., Ky. mine [illegible] -1.50
import, bulk, Atlantic ports, duty-paid ton. 23.00 -23.50
lump, 85 and 5, dom., bulk, f.o.b. Ill., Ky., mines ton. 21.00 -22.50
powd., 97%, import., bgs., Atlantic ports, duty-paid ton. No prices.
Formaldehyde, bbls., c.l., works, lb. .05¾- —
l.c.l., works lb. .06¼- —
dms., c.l., works lb. .05½- —
l.c.l., works lb. .05¾- —
tanks, works lb. .04½- —
Fringetree bark, bls. lb. .13 - .14
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines ton. 10.00 - —
import., bgs., c.l., ex dock ton. 28.00 - —
l.c.l., ex whse. ton. 30.00 - —
Furfural, refd., dms., c.l., works, lb. .15 - —
l.c.l., works lb. .17½- .20
tech., dms., contracts, 150,000 lbs., works lb. .10 - —
c.l., works lb. .12½- —
l.c.l., works lb. .15 - .20
tanks, works lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .16 - .18
Fustic extract, cryst., bbls. lb. .22 - .26
liquid, bbls lb. .09½- .13
solid, dms. lb. .17½- .19½

G

G salt, bbls lb. .45 - .48
Galangal root, bls lb. .09 - .10
Gall extract, bbls lb. .19 - .20
Gambier, common, bgs lb. No prices.
plantation, bgs lb. .08¾- .09
Cubes, Singapore, bgs lb. .10½- —
Extract, bbls lb. .08½ Nom.
Gasoline, at refinery:—
Bayonne, US motor, 62-63 octane, tanks gal. .07 - —
65 octane, tanks gal. .07½- —
above 65 octane, tanks gal. .08 - —
California, 54-58, tanks gal. .07½- —
Gulf Coast, US motor, bulk, gal. .06¼- —
60-62, 390 e.p., bulk, export, gal. .06¼- —
60-62, 400 e.p., bulk, export, gal. .06¼- —
64-66, 375 e.p., bulk, export, gal. .06¾- —
Louisiana-Arkansas, US motor, 62 octane, tanks gal. .05¾- .06
63-67 octane, tanks gal. .06½- .06¾
68-70 octane, tanks gal. .06¾- .06¾
Oklahoma-Texas, US motor, 62 octane and below, tanks gal. .04¾- .05¾
63-67 octane, tanks gal. .05¼- .05¾
68-70 octane, tanks gal. .05¾- .06¼
60-62, 400 e.p., tanks gal. .04¾- .05¾
64-66, 375 e.p., tanks gal. .05 - .05¼
natural, 12-lb. vapor pres., tanks gal. .05¾- .06
14-lb. v.p., tanks gals. .05½- .05¾
18-lb. v.p., tanks gal. .04¾- .05
22-lb. v.p. tanks gal. .04½- .04¾
26-70-lb., v.p., tanks gal. .04 - .04½
Pennsylvania, US motor, below 60 octane, tanks gal. .06 - —
60 octane, tanks gal. .07¼- —
52-54, 450 e.p., naphtha, tanks gal. .05¾- —
54-56, 400 e.p., strt. run, tanks gal. .05¾- —
Gelatin, silver, cs. lb. .45 - .50
Gelsemium root, bls lb. .12 - .13
Gentian root, bls lb. .13 - .14
grd., bbls., bxs lb. .14 - .15
powd., bbls., bxs lb. .15 - .16
Geraniol, cns., dms lb. .75 - 3.00
Geranyl acetate, bots., dms lb. 1.75 - 2.50
Ginger root, African, bgs lb. .15 - .15½
Cochin, lemon, bgs lb. .16 - .16½
Jamaica, bold, bgs lb. .17 - .17½
grinding, bright, bgs lb. .15½- .16
medium, bold, bgs lb. .16 - .16½
Japanese, bgs lb. .16 - .16¾
Ginseng fibers, cs lb. 1.75 - 3.00
Root, cultivated, cs lb. 4.00 - 5.00
wild, Southern, cs lb. 6.00 - 7.00
Glauber's salt, anhyd. (see Soda sulphate).
cryst., dom., bgs., bbls., c.l., works. 100 lbs. .95 - 1.15
5 tons or over, works 100 lbs. 1.05 - 1.25
less than 5 tons, works 100 lbs. 1.15 - 1.35
import., bgs. 100 lbs. 1.05 - 1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd. lb. .14 - —
l.c.l., dlvd lb. .14½- —
36/38, bgs., c.l., dlvd lb. .14½- —
l.c.l., dlvd lb. .15 - —
38/82, bgs., c.l., dlvd lb. .15½- —
l.c.l., dlvd lb. .16 - —
82/108, bgs., c.l., dlvd lb. .16 - —
l.c.l., dlvd lb. .16½- —
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest lb. .16½- —
l.c.l., same basis lb. .17 - —
60/164, bgs., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .18½- —
67/192, bgs., c.l., same basis lb. .19 - —
l.c.l., same basis lb. .19½- —
75/222, bgs., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .21 - —
83/251, bgs., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .22 - —
92/283, bgs., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .23 - —
102/315, bgs., c.l., same basis lb. .22½- —
l.c.l., same basis lb. .23½- —
113/347, bgs., c.l., same basis lb. .23½- —
l.c.l., same basis lb. .24½- —
125/379, bgs., c.l., same basis lb. .24½- —
l.c.l., same basis lb. .25½- —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, C.P., makers, cns., l.c.l. lb. .23½- .24
dms., extra, c.l. lb. .21¾- —
l.c.l. lb. .22 - —
dynamite, dms., extra, c.l. lb. .21¼- —
l.c.l. lb. .22 - —
saponification, basis 88%, dms, returnable, dlvd. lb. .16 - .16¼
soaplye, basis 80%, dms., returnable, dlvd. lb. .14½- .15
yellow, distilled, dms., extra, cl. lb. .23¾- —
l.c.l. lb. .23¾- —
Glycol boriborate, dms. lb. .26 - —
Phthalate, dms lb. .40 - —
Stearate, dms lb. .27½- —
Gold, U. S. purchase price oz. 35.00 - —
Chloride, acid brown, bots. oz. 20.75 -21.00
yellow, bots oz. 18.75 -19.00
Gold-soda chloride, photo., bots., oz. 13.00 - —
USP IX, bots oz. 14.50 -14.75
Gold of pleasure seed, bgs lb. .16½- .17
Golden seal root, bls lb. 2.95 - 3.20
powd., bxs lb. 3.15 - 3.20
Grains of paradise, bgs lb. .30 - .31
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works lb. .06 - —
bbls., c.l., works lb. .06½- —
l.c.l., works lb. .06½- —
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works lb. .02½- —
bbls., c.l., works lb. .02¾- —
l.c.l., works lb. .03¼- —
80% graphitic carbon, bgs., c.l., works lb. .03¼- —
bbls., c.l., works lb. .03¾- —
l.c.l., works lb. .04½- —
Grease, house, trcs lb. .06¾- .07¼
White, trcs lb. .07½- .08¼
yellow, trcs lb. .06¾- .07¼
Wool (see Adeps lanae and Degras).
Green, chrome, C.P., dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .21 - —
6-10%, bbls., same basis lb. .22 - —
11-15%, bbls., same basis lb. .23 - —
16-20%, bbls., same basis lb. .23½- —
21-25%, bbls., same basis lb. .24 - —
26-30%, bbls., same basis lb. .24½- —
31-35%, bbls., same basis lb. .25½- —
36-40%, bbls., same basis lb. .27 - —
41-45%, bbls., same basis lb. .28½- —
46-50%, bbls., same basis lb. .30 - —
over 50%, bbls., same basis lb. .31 - —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, C.P. color content up 5%, bbls., same basis, lb. .06 - —
6-10%, bbls., same basis lb. .06¾- —
11-13%, bbls., same basis lb. .07¼- —
14-16%, bbls., same basis lb. .07½- —
17-19%, bbls., same basis lb. .07¾- —
20-21%, bbls., same basis lb. .08 - —
22-23%, bbls., same basis lb. .08¼- —
24-25%, bbls., same basis lb. .08½- —
26-27%, bbls., same basis lb. .08¾- —
28-29%, bbls., same basis lb. .09¼- —
30-31%, bbls., same basis lb. .10 - —
32-33%, bbls., same basis lb. .11¼- —
34-35%, bbls., same basis lb. .12½- —
36-40%, bbls., same basis lb. .14¼- —
41-45%, bbls., same basis lb. .16¼- —
46-50%, bbls., same basis lb. .16¾- —
51-55%, bbls., same basis lb. .17¼- —
56-60%, bbls., same basis lb. .17¾- —
61-65%, bbls., same basis lb. .18¾- —
66-70%, bbls., same basis lb. .19¼- —
71-75%, bbls., same basis lb. .20¼- —
Chrome, oxide, dom., pure bbl. .21 - —
ceramic, light shades, bbls., c.l., works lb. .28 - —
l.c.l. works lb. .30 - —
standard grade, bbls., works lb. .19 - .20
tetrahydroxide, bbls lb. .85 - —
Paris (see P)
Verdigris (see V)
Green dyes are listed under Dyes.
Grindelia robusta, bls lb. .08¼- .10
Guaiac resin, cs lb. .23½- .24½
strained, cs lb. .90 - 1.00
Wood, bls lb. .04 - .05
Guaiacol, liq., djns lb. 1.55 - 1.70
Carbonate, fib., dms. 25 lbs. lb. 2.20 - —
kgs. 100 lbs lb. 2.15 - —
Guarana, powd., cs lb. 1.15 - 1.20
Gum, aloe (see A)
Ammoniac, tears., cs lb. .85 - .90
Arabic, amber sorts, cleaned, bgs. lb. .13 - .13½
white, sorts, 1, bgs lb. .29 - .30
2, bgs lb. .27 - .28
powd., bbls lb. .16½- .17
Asafetida (see A)
Asphaltum (see A)
Benzoin, Siam, cs lb. 1.40 - 1.65
Sumatra, cs lb. .22 - .25
Camphor (see C)
Chicle, bgs lb. .40 - .45
Copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran lb. .46 - —
Copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.
2, cloudy, white, bgs., c.l., same basis lb. .30%- —
3, selected pale straw bold, bgs., c.l., same basis lb. .20 - —
4, pale bold straw, bgs., c.l., same basis lb. .19½- —
5, pale straw bold, bgs., c.l., same basis lb. .16 - —
6, pale amber bold, bgs. c.l., same basis lb. .14¾- —
7, pale straw bold, bgs., c.l., same basis lb. .14¾- —
8, light amber bold, bgs., c.l., same basis lb. .13½- —
9, medium light amber bold, bgs., c.l., same basis lb. .10¾- —
10, rescraped hard amber bold, bgs., c.l., same basis. lb. .10%- —
11, hard dark amber bold, bgs., c.l., same basis lb. .08¼- —
12, selected bold sorts, bgs., c.l., same basis lb. .07¾- —
13, dark sorts bold, bgs., c.l., same basis lb. .06¼- —
14, selected, fully scraped ivory, bgs., c.l., same basis lb. .19¾- —
15, ordinary ivory sorts, bgs., c.l., same basis lb. .07¼- —
16, inferior ivory sorts, bgs., c.l., same basis lb. .05¾- —
17, pale fingers, bgs., c.l., same basis lb. .19 - —
18, pale straw nubs, bgs., c.l., same basis lb. .12¾- —
19, pale straw nubs, bgs., c.l., same basis lb. .11½- —
20, hard dark amber nubs, bgs., c.l., same basis lb. .08¼- —
21, ordinary selected nubs, c.l., same basis lb. .08½- —
22, small mixed nubs, bgs., c.l., same basis lb. .06¾- —
23, dark mixed nubs, bgs., c.l., same basis lb. .07¼- —
24, No. 1, ivory nubs, bgs., c.l., same basis lb. .14¾- —
25, No. 2 natural ivory nubs, bgs., c.l., same basis lb. .06¾- —
26, pale bold chips, bgs., c.l., same basis lb. .06¾- —
27, pale small chips, bgs., c.l., same basis lb. .06½- —
28, pale dust, bgs., c.l., bgs., same basis lb. .05¼- —
East India, Batu, bold scraped, bgs., c.l., same basis lb. .06¼- —
unscraped, bgs., c.l., same basis lb. .04 - —
chips, bgs., c.l., same basis lb. .03¾- —
dust, bgs., c.l., same basis lb. .03¾- —
nubs and chips, bgs., c.l., same basis lb. .03¾- —
black, bold, scraped, bgs., c.l., same basis lb. .06¾- —
unscraped, bgs., c.l., same basis lb. .04¼- —
nubs and chips, bgs., c.l., same basis lb. .04¼- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis lb. .13 - —
chips, bgs., c.l., same basis lb. .05¾- —
dust, bgs., c.l., same basis lb. .03¾- —
nubs, bgs., c.l., same basis lb. .10¾- —

Epsom Salt—Gypsum

Gum, copal, East India, Singapore Rasak, bold, bgs., c.l., same basis lb. .15¾- —
chips, bgs., c.l., same basis, lb. .04¾- —
dust, bgs., c.l., same basis lb. .03¾- —
nubs, bgs., c.l., same basis lb. .10¾- —
Manila, Boeas, amber and dark, bskts., c.l., same basis lb. .14 - —
light, bskts., c.l., same basis lb. .13½- —
Loba A, bskts., c.l., same basis lb. .12 - —
B, bskts., c.l., same basis lb. .11¾- —
C, bskts., c.l., same basis lb. .11½- —
CNE, bskts., c.l., same basis lb. .07¾- —
D, bskts., c.l., same basis. lb. .09¾- —
DK, bskts., c.l., same basis, lb. .07¾- —
DU, bskts., c.l., same basis, lb. .08¾- —
dust, bskts., c.l., same basis, lb. .06¾- —
Sambas and white split chips, bskts., c.l., same basis lb. .14¾- —
Singapore, dust, bskts., c.l., same basis lb. .06¾- —
spirit-soluble, CBB, bskts., c.l., same basis lb. .08¾- —
DBB, bskts., c.l., same basis, lb. .08¾- —
MA, bskts., c.l., same basis, lb. .07¼- —
MB, bskts., c.l., same basis, lb. .06¾- —
WS, bskts., c.l., same basis, lb. .08¼- —
Philippine Manila, amber sorts, bskts., c.l., same basis lb. .07¾- —
chips, pale, bskts., c.l., same basis lb. .08¾- —
small, bskts., c.l., same basis lb. .07¾- —
extra pale sorts, bskts., c.l., same basis lb. .09¼- —
nubs, bskts., c.l., same basis lb. .11¾- —
pale, scraped, bskts., c.l., same basis lb. .11¾- —
seeds and dust, bskts., c.l., same basis lb. .06½- —
Pontianak, bold, genuine, bgs., same basis lb. .16½- —
mixed, bgs., c.l., same basis lb. .14 - —
chips, bgs, c.l., same basis lb. .10¼- —
split, bgs., c.l., same basis. lb. .14¾- —
nubs, bgs., c.l., same basis lb. .12¾- —
Dammar, Batavia A, cs. c.l., same basis as copal lb. .24 - —
A/D, cs., c.l., same basis lb. .19¾- —
A/E, cs., c.l., same basis lb. .16¾- —
B, cs., c.l., same basis lb. .22½- —
C, cs., c.l., same basis lb. .18¾- —
D, cs., c.l., same basis lb. .16¾- —
dust, cs., c.l., same basis lb. .06¾- —
E, cs., c.l., same basis lb. .08½- —
F, cs., c.l., same basis lb. .07¼- —
Singapore, 1, cs., c.l., same basis lb. .22 - —
2, cs., c.l., same basis lb. .16¼- —
3, cs., c.l., same basis lb. .05¾- —
chips, cs., c.l., same basis lb. .12 - —
dust, cs., c.l., same basis lb. .05¾- —
seeds, cs., c.l., same basis lb. .09½- —
Elemi, cns., c.l., same basis as copal lb. .09¾- —
Ester, dms., 75,000 lbs., dlvd. lb. .10 - —
c.l., single shipment, dlvd. lb. .10¼- —
l.c.l., dlvd lb. .10½- —
Euphorbium, cs lb. .17 - .18
Galbanum, cs lb. .95 - 1.00
Gamboge, pipe, cs lb. .58 - .59
powd., bbls. lb. .65 - .66
Ghatti, soluble, bgs lb. .11 - .15
superior, bgs. lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya XXX, bbls., bxs., dms. lb. .27 - .30
XX, bbls., bxs., dms lb. .18 - .19
1, bbls., bxs., dms lb. .12 - .13
2, bbls., bxs., dms lb. .11 - .12
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis lb. .38 - —
B1, cs., c.l., same basis lb. .28 - —
B2, cs., c.l., same basis lb. .24 - —
B3, cs., c.l., same basis lb. .18½- —
80% chips, cs., c.l., same basis lb. .13¾- —
pale, XXX, cs., c.l., same basis lb. .61 - —
1, cs., c.l., same basis lb. .41 - —
2, cs., c.l., same basis lb. .24 - —
3, cs., c.l., same basis lb. .17¾- —
Kino, tins lb. 2.00 - 2.10
Mastic, cs., c.l., same basis as copal lb. .55 - .56
Myrrh, USP, cs lb. .40 - .41
Olibanum, siftings, cs lb. .07½- .18
tears, cs. lb. .13 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks, c.l., same basis ac copal lb. .25 - .26
Scammony, cs lb. 1.10 - 1.15
Senegal, picked, bgs lb. .27 - .29
sorts, bgs. lb. .14½- .15
Talha, bgs lb. .07½- .08
Thus, bbls 280 lbs. 13.75 -14.00
Tragacanth, Aleppo, 1, cs lb. 2.75 - 3.00
2, cs lb. 2.40 - 2.45
3, cs lb. 2.35 - 2.40
4, cs lb. 2.30 - 2.35
5, cs lb. 2.25 - 2.30
Flake, bgs lb. .50 - 1.00
Yacca, bgs., c.l., same basis as copal lb. .03½- —
powd., bgs., c.l., same basis lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald. ton. 21.15 - —
Medicine Lodge, Kans., frt. equald. ton. 17.00 - —
New Brighton, N. Y., frt. equald. ton. 27.15 - —
Southard, Okla., frt. equald. ton. 17.00 - —
Sweetwater, Tex., frt. equald. ton. 21.15 - —
Plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald. ton. 12.50 - —
Blue Rapids, Kans., frt. equald. ton. 12.50 - —
New Brighton, N. Y., frt. equald. ton. 15.70 - —
Southard, Okla., frt. equald. ton. 12.50 - —
Sweetwater, Tex., frt. equald. ton. 12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Texas; Blue Rapids, Kans., Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N.Y.; Oakfield, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald, ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y., Southard, Okla., frt. equald. ton. 12.00 - —
import, bgs., ex dock ton. 27.50 - —

WHITE-LEAD —*Lasts!*

PAINTS that are high in white-lead content are paints that prove high in consumer satisfaction. For the more white-lead you use the better the paint in durability, in ease of spread, and in coverage.

When you buy your white-lead pigments, obtain them from National Lead Company.

The high quality and uniformity of our products are a tradition in the paint industry.

In addition to the white-lead pigments listed below we are also a dependable source of supply for lead oxides—red-lead, litharge, orange mineral.

NATIONAL LEAD COMPANY

111 Broadway, New York; 116 Oak Street, Buffalo; 900 West 18th Street, Chicago; 659 Freeman Avenue, Cincinnati; 1213 West Third Street, Cleveland; 722 Chestnut Street, St. Louis; 2240 24th Street, San Francisco; National-Boston Lead Co., 800 Albany Street, Boston; National Lead & Oil Co. of Penna., 316 Fourth Avenue, Pittsburgh; John T. Lewis & Bros. Co., Widener Bldg., Philadelphia.

DRY WHITE-LEAD (Dutch or Carter process)

H. T. S. (High Tinting Strength) **WHITE-LEAD**

BASIC LEAD SULPHATE

H

Heliotropin, cryst., cns.....lb. 1.80 - 2.30
Hellebore, white, root, powd., bbls. lb. .12 - .13
Helonias root, bls.....lb. .65 - .67
Hematine crystals, bbls.....lb. .18 - .34
Hemlock extract, 25% tan., bbls. lb. .03 - .03¼
Hempseed, Manchur, bgs.....lb. .04¾- .05
Henbane leaves, bls.....lb. .19 - .20
Henna leaves, bls.....lb. .07 - .08
powd., bbls, bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .12 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
normal, 86-100°., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
Hexalin, dms .....lb. .30 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
USP, dms., 500 lbs. or more, shipments, same basis, lb. .46 - —
100 to 400 lbs. shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Homatropine hydrobromide, bots., 50 ozs..oz.13.00 - —
25 ozs .....oz.13.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago...unit-ton. 3.50 - —
Hops, dom., 1936 crop, bls....lb. .46 - .51
import., 1936 crop, bls.....lb. .55 - .70
Horehound, bls .....lb. .07 - .08
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs...oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 16 oz.....oz.19.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. R.lb. .20 - —
W. of Miss. R.....lb. .21 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.18.00 -19.00
Hyoscyamine, bots.....oz.15.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .16 - .21
solid, bxs .....lb. .18½- .20½

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Bengal, bbls.....lb. 2.40 - —
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.34.00 -36.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.15 - —
kgs, 150 lbs.....lb. .90 - —
resubl., bots., 5 lbs.....lb. 1.60 - —
jars, 50 lbs.....lb. 1.50 - —
tincture, USP, bbls., 47 gals., gal. 1.65 - —
cbys., 5 gals.....gal. 1.75 - —
mild, bbls., 47 gals.....gal. .90 - —
cbys., 5 gals.....gal. 1.00 - —
Iodoform, dms., 100 lbs.....lb. 3.75 - —
jrs., 25 lbs.....lb. 3.85 - —
Ionone, bots.....lb. 1.30 - 4.05
Ipecac root, bgs.....lb. 1.30 - 1.35
powd., bxs.....lb. 1.45 - 1.50
Irish moss, ordinary, bls.....lb. .11 - .12
powd., 80-90 mesh, bbls...lb. .24 - .32
prime, bleached, bls.....lb. .19 - .20
Iron acetate, N. F. IV, cbys., 100 lbs..lb. .15 - —
IV, djns., 50 lbs.....lb. .16 - —
Chloride, tech., cryst., bbls., kgs..lb. .05 - .08
USP, cryst., bbls., 500 lbs..lb. .07½- —
kgs., 100 lbs.....lb. .08½- —
solut., USP, cbys., 130 lbs., lb. .06½- —
djns., 50 lbs.....lb. .16 - —
Citrate, USP VIII, pearls, cns., lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots.....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns...e.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.85 - 3.00
syrup, djns.....lb. .37 - .38
bots. .....lb. .52 - —
Nitrate, coml., kgs.....lb. .02¾- .08
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.),
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate), USP, cryst., bbls., 275 lbs. lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .31 - —
fib., dms. .....lb. .24½- —
kgs. .....lb. .26½- —
Iron-potash oxalate, bbls. ....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs. .....lb. .31 - —
fib., dms. .....lb. .24½- —
kgs. .....lb. .26½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .58 - —
Isopropanol, see Alcohol, isopropyl.
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l. .....lb. .08 - —
tanks .....lb. .06 - —

J

Jaborandi leaves, bls.....lb. .14 - .15
Jalap root, NF, bls.....lb. .17 - .19
powd., bbls., bxs.....lb. .20 - .21
Juniper berries, bgs.....lb. .05½- .06

K

Kamala, tins.....lb. .38 - .40
Kava kava root, bls.....lb. .15 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks. gal. .05¾- .06
Gulf ports, p.w., bulk, export. gal. .05 - —
w.w., bulk..gal. .05½- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04¼- .04½
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03¾- .04¼
42-44 w.w., tanks.....gal. .04½- .04¾
Pennsylvania, 45 w.w., tanks. gal. .04¾- —
46 w.w., tanks.....gal. .04¾- —
47 w.w., tanks.....gal. .05 - —
Kerosene, tankwagon:—
Atlanta .....gal. .13 - —
Boston .....gal. .07½- —
Chicago .....gal. .10¼ - —
Cincinnati .....gal. .135 - —
Denver .....gal. .11½- —
Louisville .....gal. .10½- —
Minneapolis .....gal. .10½- —
New Orleans.....gal. .14 - —
New York.....gal. .07¾- —
San Francisco.....gal. .115 - —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .50 - .52
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs.12.00 -12.25
Middlewestern, trcs....100 lbs.10.90 -11.00
Neutral, trcs.....100 lbs.13.00 -13.25
Western, choice, trcs..100 lbs.10.90 -11.00
Compound, trcs.....100 lbs. 9.50 - 9.75
Larkspur seed, bgs.....lb. .28 - .30
Laurel berries, bls.....lb. .09 - .10
Leaves, Ital., bls.....lb. .04½- .05
Lavender flowers, ordinary, bls.lb. .40 - .42
select, bls.....lb. .55 - .60
Lead acetate, white, broken, bbls..lb. .13½- —
cryst., bbls.....lb. .13½- —
gran., bbls.....lb. .14¼- —
powd., bbls.....lb. .14¼- —
Arsenate, dms., dealers, E. of Rockies..lb. .11½- —
W. of Rockies.....lb. .11½- —
1,000 lbs. or more, dealers dms., E. of Rockies..lb. .12 - —
W. of Rockies....lb. .11¾- —
less than 1,000 lbs., dealers, E. of Rockies..lb. .12½- —
W. of Rockies.....lb. .12½- —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.
Blue, basic sulphate, bbls., c.l., dlvd., E..lb. .07½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .07¾- —
l.c.l., dlvd., E.....lb. .07¾- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .08 - —
Carbonate (see Lead, white)
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.52 - —
jars .....lb. 2.40 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report)
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .22½- —
5 lb. cont., f.o.b. works..lb. .25½- —
Nitrate, bbls.....lb. .11 - .11½
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
other points.....lb. .09 - —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .09¾- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.lb. .10¼- —
Colo., Mont., N. Mex., Wyo.....lb. .10 - —
other points.....lb. .09½- —
smaller lots, dlvd., Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
97%, Pb_3O_4, bbls., c.l., (20 tons) dlvd., Ala., etc., lb. .09½- —
other points.....lb. .09¾- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10½- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
smaller lots dlvd., Ala., etc..lb. .10½- —
Ariz. .....lb. .11 - —
Colo., ...lb. .10½- —
other points.....lb. .10¼- —
98%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc..lb. .09¾- —
other points.....lb. .09½- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
Lead, red, dry, 98% Pb_3O_4, bbls., l.c.l., smaller lots, dlvd. Ala., etc..lb. .10¾- —
Ariz., etc.....lb. .11¼- —
Colo., etc.....lb. .11 - —
other points.....lb. .10½- —
in oil, steel kegs, 1,000 lbs.lb. .11¾- —
500 lbs.....lb. .12 - —
smaller lots.....lb. .12¾- —
Resinate, fused, 16%, bbls.....lb. .09½- —
pale, bbls. .....lb. .11½- —
precip., bbls. .....lb. .16½- —
Stearate, bbls. .....lb. .22 - .28
Sulphate (see Lead, white, basic sulphate).
Titanate, bbls., c.l., f.o.b. works, frt. alld..lb. .12 - —
l.c.l., 5 tons, one delvy, dlvd., lb. .12¼- —
smaller lots.....lb. .12½- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .08¼- —
other points .....lb. .08 - —
l.c.l. dlvd. Ariz., etc..lb. .08½- —
other points .....lb. .08¼- —
basic sulphate, bbls., c.l., dlvd. Ariz., etc..lb. .07¾- —
other points.....lb. .07½- —
l.c.l., dlvd. Ariz., etc..lb. .08 - —
other points.....lb. .07¾- —
in oil, 100-lb. kgs., 1,000 lbs., dlvd..lb. .11¾- —
500 lbs., dlvd.....lb. .12 - —
smaller lots, dlvd.....lb. .13 - —
Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs....lb. .17 - .18
powd., bbls .....lb. .27 - .28
Root, bls. .....lb. .04½- .05
powd., bbls., bxs.....lb. .07 - .08
select, bndls., cs.....lb. .17 - .18
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa. ....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
California, northern..ton.11.80 - —
southern .....ton.11.45 - —
Cedar Hollow, Pa..ton. 8.00 - —
Chicago .....ton. 7.25 - —
Crab Orchard, Tenn.ton. 6.25 - —
Dallas, Texas.....ton. 8.50 - —
Durbin, Ohio .....ton. 6.50 - —
Eagle Mountain, Va.ton. 6.25 - —
Easton, La. .....ton. 7.00 - —
Farnams, Mass. ....ton. 7.50 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo. .....ton. 6.50 - —
Keystone, Ala. .....ton. 7.00 - —
Knoxville, Tenn. ...ton. 6.25 - —
Leroy, Minn. .....ton. 8.00 - —
Limedale, Ark. .....ton. 7.00 - —
Longview, Ala. .....ton. 6.25 - —
Marble Cliff, Ohio...ton. 6.50 - —
Marblehead, Ohio....ton. 7.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich. ..ton. 7.50 - —
Mitchell, Ind. .....ton. 6.50 - —
Newala, Ala. .....ton. 6.25 - —
Petosky, Mich.....ton. 8.00 - —
Port Island, Mich....ton. 7.50 - —
Ripplemead, Va. ....ton. 6.25 - —
Riverton, Va. .....ton. 6.25 - —
Scioto, Ohio.....ton. 6.00 - —
Sheboygan, Wis. ....ton. 7.00 - —
Sherwood, Wis. ....ton. 7.50 - —
Springfield, Mo. ....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
hydrated, paper bags, f.o.b. Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo .....ton.11.00 - —
California, northern..ton.15.30 - —
southern .....ton.13.95 - —
Cedar Hollow, Pa....ton. 8.50 - —
Chicago .....ton. 9.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Dallas, Tex.....ton.12.00 - —
Durbin, Ohio .....ton. 8.00 - —
Eagle Mountain, Va..ton. 8.50 - —
Easton, La. .....ton. 9.00 - —
Farnams, Mass. ....ton. 9.00 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo. .....ton. 8.50 - —
Keystone, Ala. .....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Limedale, Ark. .....ton. 9.00 - —
Longview, Ala. .....ton. 9.00 - —
Louisville, Ky. .....ton.14.50 - —
Marble Cliff, Ohio...ton. 8.00 - —
Marblehead, Ohio....ton. 9.00 - —
Martinsburg, W. Va.ton. 8.50 - —
Milltown, Ind. .....ton.12.50 - —
Mitchell, Ind. .....ton. 9.00 - —
Newala, Ala. .....ton. 9.00 - —
Pelham, Ala. .....ton. 9.00 - —
Petolsky, Mich. ....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D.....ton.12.00 - —
Ripplemead, Va. ....ton. 8.00 - —
Riverton, Va. .....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Wis. ....ton. 9.00 - —
Siluria, Ala. .....ton. 9.00 - —
Springfield, Mo. ....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
spray, paper bgs., f.o.b. Bellefonte, Pa..ton. 9.00 - —
Durbin, Ohio .....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton.11.00 - —
Marble Cliff, Ohio....ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Mitchell, Ind. .....ton. 9.00 - —
Scioto, Ohio .....ton. 9.00 - —
Sherwood, Wis. ....ton. 9.00 - —
Woodville, Ohio.....ton.11.00 - —
Lime salts (see Calcium)
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, dms., consumer, c.l., works, frt. all'd..gal. .13½- .14½
dealer, frt all'd.....gal. .13 - .16
l.c.l., consumer, frt all'd, gal. .15 - .18
dealer, frt all'd.....gal. .14 - .17
tanks, consumer, dlvd....gal. .11½- —
dealer, dlvd.....gal. .11 - —
Linalool, cns.....lb. 1.90 - 2.10
Linalyl acetate, cns., 25 lbs...lb. 1.70 - 2.45
Linden flowers, with leaves, bls.lb. .18 - .19
without leaves, bls.....lb. .20 - .21
Linseed cake, bgs., export....ton.29.00 - —
Meal, 32%, dom., bgs.....ton.38.50 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
other points .....lb. .08 - —
5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash....lb. .08¾- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —

Heliotropine—Manganese Ore

Litharge, com'l., powd., bbls., 5 tons, dlvd., Colo., Mont., N. Mex., Wyo....lb. .09 - —
other points .....lb. .08½- —
smaller lots, dlvd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
Lithium bromide, jars, 25 lbs. lb. 1.70 - 1.75
Carbonate, bbls., 250 lbs....lb. 1.25 - —
kgs., 100 lbs.....lb. 1.30 - —
Chloride, jars, 25 lbs.....lb. 1.65 - 1.70
Citrate, bbls., 250 lbs.....lb. 1.40 - —
fib. dms., 25 lbs.....lb. 1.45 - —
kgs., 100 lbs.....lb. 1.40 - —
Iodide, bots., 5 lbs.....lb. 4.85 - —
jars, 25 lbs.....lb. 4.70 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Lithopone, dom., high-strength, bgs., 20 tons, dlvd. E. or ex whse. Pac. Cst.....lb. .05¾- —
smaller lots, same basis..lb. .06¼- —
bbls., 20 tons, same basis, lb. .06¼- —
smaller lots, same basis.lb. .06¾- —
ordinary, bgs., 20 tons, same basis..lb. .04¾- —
smaller lots, same basis.lb. .04¾- —
bbls., 20 tons, same basis, lb. .04¾- —
smaller lots, same basis.lb. .04¾- —
titanated, bgs., 20 tons, same basis..lb. .05¾- —
smaller lots, same basis.lb. .06¼- —
bbls., 20 tons, same basis, lb. .06¼- —
smaller lots, same basis.lb. .06¾- —
Liverwort leaves, bls.....lb. .18 - .19
Lobelia herb, bls.....lb. .12 - .13
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .18 - .22
liquid, 51°, bbls.....lb. .09½- .11¼
solid bxs.....lb. .15 - .19
Sticks, Haitian, shipt.....ton.24.00 -25.00
Lovage root, dom., bls.....lb. .55 - .65
Import, bls.....lb. .35 - .37
Lupulin N E.. tins.....lb. 1.75 - 2.00
Lycopodium, cs.....lb. 1.30 - 1.35

M

Mace, Banda, cs.....lb. .57 - .58
Batavia, cs.....lb. .48 - .49
Siauw, 1, cs.....lb. .53 - .54
Madder, Dutch, bgs.....lb. .22 - .25
Magnesia arsenate, cs., dms..lb. .18 - .20
Calcined, dom., 4-four-hour, including activator, ctns., 10,000 lbs. or over, f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila..lb. .27 - —
1,000-10,000 lbs., same basis..lb. .28½- —
less than 1,000 lbs., same basis..lb. .30 - —
tech., heavy, bbls., f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila.....lb. .28 - —
1-lb. pkgs., same basis.lb. .38 - —
light, bbls., same basis.lb. .23 - —
1-lb. tins, same basis.lb. .33 - —
USP, heavy, bbls., same basis, lb. .30 - —
1-lb. pkgs., same basis.lb. .40 - —
special, bbls., same basis, lb. .27 - —
super light, bbls., same basis..lb. .30 - —
calcined, USP, import., heavy, pharm., bbls..lb. .50 - —
light, extra, bbls....lb. .36 - .40
standard, bbls.....lb. .30 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
bbls., c.l. .....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l. .....lb. .08¾- —
l.c.l. .....lb. .09½- —
Zone 2, bgs., c.l.....lb. .06 - —
l.c.l. .....lb. .06½- —
bbls., c.l. .....lb. .07 - —
l.c.l. .....lb. .07½- —
kgs., c.l. .....lb. .08½- —
l.c.l. .....lb. .09 - —
USP, Zone 1, bbls., c.l...lb. .08¼- —
l.c.l. .....lb. .09 - —
kgs., c.l. .....lb. .09¾- —
l.c.l. .....lb. .10½- —
Zone 2, works, bbls., c.l..lb. .08 - —
l.c.l. .....lb. .08½- —
kgs., c.l. .....lb. .09½- —
l.c.l. .....lb. .10 - —

Zone 1:—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. C.l. shipm'ts, full fr't alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts., frt. alld., including dlvd. store-door. Zone 2:—Balance of U. S.

Chloride, flake, dom., bbls., works..ton.39.00 -42.00
Hypophosphite, cns., 100 lbs.lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Magnesia, oxide (see Calcined)
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.95
Silicate (see Talc)
Silicofluoride, bbls.....lb. .09½- .10½
Stearate, bbls., ctns., c.l.....lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs. .....lb. .23 - —
smaller lots .....lb. .24 - —
Sulphate (see Epsom salt)
Magnesite, cal., import, bbls.ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton.25.00 - —
Malva flowers, black, bls....lb. .40 - .42
Blue, bls. .....lb. .45 - .50
Leaves, bls.....lb. .12 - .13
Manaca root, bls.....lb. .20 - .21
Mandrake root, bls.....lb. .16 - .17
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .21 - .22
Chloride, bbls.....lb. .09 - —
Dioxide, Caucasian, 85-90%, bbls., c.l., works..ton.66.50 - —
l.c.l., 5 tons, works..ton.69.50 - —
smaller lots, works.ton.74.50 - —
burlap bgs., c.l., works.ton.64.50 - —
l.c.l., 5 tons, works..ton.67.50 - —
smaller lots, works.ton.72.50 - —
paper bgs., c.l., works.ton.62.50 - —
l.c.l., 5 tons, works.ton.65.50 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.61 - —
smaller lots.....lb. 2.71 - —
cns., 25 lbs.....lb. 2.83 - —
solut., djns., 1,000 lbs. lots, lb. .61 - —
smaller lots.....lb. .71 - —
cns., 25 lbs.....lb. .81 - —
Hydrate, bbls., dlvd.....lb. .32 - —
Iodide, bots., 5 lbs.....lb. 5.25 - —
jars, 25 lbs.....lb. 5.10 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls..lb. .19 - —
Ore, 50-52%, basis, bbls., c.l. Atl. ports..unit-ton. .50 Nom.

Manganese, Res.—Oil, Lub.

Manganese resinate, fused, 3½%, bbls..lb. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., bbls., works, lb. .07 - .07½
cryst., 65% $MnSO_4$, bgs., c.l., dlvd. South..ton.48.75 - —
l.c.l., bgs.....ton.55.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt..ton.25.50 -26.00
Manna, flake, large, cs.....lb. .32 - .33
small, cs.....lb. .18 - .19
Mannitol, pure, cryst., cs., works, lb. 1.45 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....lb. .19 - .20
Tunisan, bls.....lb. .16 - .16½
Matico leaves, bls.....lb. .28 - .30
Menthol, U.S.P., natural, cs..lb. 3.25 - 3.35
synthetic, tech., cs.....lb. 2.25 - —
U.S.P., cs.....lb. 3.25 - —
liquid, dms., 40 lbs.....lb. 1.60 - —
Menthyl salicylate, tins, 100 lb. lots..lb. 3.00 - —
25 lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. .87 - —
25 lbs.....lb. .89 - —
50%, pails, 50 lbs.....lb. 1.26 - —
25 lbs.....lb. 1.28 - —
Mercury (see Quicksilver).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 1.81 - —
fib., dms., 100 lbs.....lb. 1.68 - —
jars, 25 lbs.....lb. 1.70 - —
Chloride (see Calomel).
Iodide, red, N. F., bots., 5 lbs. lb. 3.67 - —
cns., 25 lbs.....lb. 3.55 - —
fib. dms., 100 lbs.....lb. 3.55 - —
yellow, bls., 5 lbs.....lb. 3.67 - —
cns., 25 lbs.....lb. 3.65 - —
fib. dms., 100 lbs.....lb. 3.65 - —
Nitrate ointment (see Citrine ointment)
Oxide red, N.F. (see Red precipitate)
tech. (See Red, mercury oxide).
Yellow, dom., tech., bbl....lb. 1.49 - 1.50
USP, fib. dms.....lb. 2.01 - 2.03
Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
fib., dms., 25 lbs.....lb. 1.10 - 1.12
Mesityl oxide, cns., works.....lb. .25½- .27½
dms., c.l., works.....lb. .21 - —
l.c.l., works .....lb. .21½- —
tanks, works .....lb. .20 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
Composition, 5½x5½ in.pkg. 1.70 - 1.80
Gold, XX deep, 3⅜x3⅜ in.pkg.14.25 -14.75
3⅜x3⅜ in.....pkg.15.50 -16.50
4x4 in.....pkg.18.50 -19.00
3⅜x5⅛ in.....pkg.21.50 -22.00
3⅜x5⅛ in.....pkg.23.50 -24.00
Silver, 3⅜x3⅜ in.....pkg. 2.25 - 2.35
Metanitroanilin, kgs.....lb. .67 Nom.
Metanitroparatoluidin, bbls....lb. 1.45 - —
Metaphenylenediamine, kgs....lb. .80 - —
Metatoluylenediamine, kgs....lb. .65 - —
Methanol, denat. grade, dms., c.l., frt. alld., E. of Rockies..gal. .44 - —
tanks, frt. alld., E. of Rockies..gal. .38 - —
pure, nat'l or synth., dms., c.l., Zone 1, frt. alld..gal. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40½- —
2, frt. alld. or dlvd..gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt. alld. or dlvd..gal. .50 - —
tanks, Zone 1, frt. alld.gal. .33 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —

95%, 2c. less than pure, all zones, frt. alld.
97%, 1c. less than pure, all zones, frt. alld.

Methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 99%, dms., c.l.; frt. alld. E. of Rockies..lb. .16 - —
W. of Rockies.....lb. .16½- —
l.c.l., frt. alld. E. of Rockies..lb. .17 - —
W. of Rockies.....lb. .17½- —
82%, dms., c.l., frt. alld. E. of Rockies..lb. .13 - —
W. of Rockies.....lb. .13½- —
l.c.l., frt. alld. E. of Rockies..lb. .14 - —
W. of Rockies.....lb. .14½- —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Methyl acetone, nat., dms., c.l., contracts, Zone 1..gal. .36 - —
2, ...gal. .39 - —
3, ...gal. .40 - —
4, ...gal. .42 - —
tanks, contracts, Zone 1.gal. .30 - —
2 .....gal. .32½- —
3 .....gal. .33½- —
4 .....gal. .34 - —

Methyl acetone, natural, prices are quoted for direct shipment from refinery f.o.b. shipping point, freight allowed to destination; barrell packing, 2½c. per gal. more, in all brackets. The sale zones are: Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies..gal. .42 - —
2, frt. alld. E. of Rockies. gal. .45 - —
3, Pacific coast.....gal. .46 - —
l.c.l., Zone 1, frt. alld. E of Rockies..gal. .44½- —
Zone 2, frt. alld. E. of Rockies..gal. .51 - —
3, Pacific Cst.....gal. .48½- —
tanks, Zone 1, frt. alld. E. of Rockies..gal. .36 - —
2, ft. alld. E. of Rockies. gal. .38½- —
3, Pacific Coast.....gal. .39½- —

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast.

Alcohol (see Methanol).

Methyl, anthranilate, bots....lb. 1.95 - 2.05
Benzoate, cns, 25 lbs.....lb. .70 - 1.00
Chloride, refrigeration, 500 lb. and up, machine mfrs. and jobbers, cylinders..lb. .32- —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs, cyl., mach. mfrs. and jobbers..lb. .38 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride prices are spot or contract, effective Juy 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130 lbs. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bots.....lb. 3.00 - 3.75
Formate, dms.....lb. .35 - .36
Iodide, bots., jars.....lb. 5.50 - 5.85
Salicylate, dms.....lb. .40 - .43
tins .....lb. .42 - .45
Violet toner, bbls. (500 lbs.)..lb. .40 - —
smaller lots.....lb. .42 - —
permanent, bbls.....lb. .80 - —
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .11½- —
l.c.l., same terms.....lb. .12 - —
tanks, same terms.....lb. .10½- —
Methylene blue, medicl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works.lb. .18 - .22
Methylheptenone, bots.....lb. 2.50 - 3.00
Methylheptin carbonate, bots..lb.27.50 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., c.l. wks..gal. .76 - —
l.c.l. wks.....gal. .80 - —
tanks, wks.....gal. .70 - —
Methylnaphtyl ketone, cryst., bots..lb. 2.10 - 2.25
Methylpropyl carbinol (see Carbinol).
Ketone, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .20 - —
tanks .....lb. .15 - —
Metronite pigment, 120 mesh, containers, extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers, extra, c.l., same basis..ton.13.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry-grd., public No. 100, 40 mesh, bgs.,c.l., works.ton.35.00 - —
l.c.l. works.....ton.43.75 - —
second grade, bgs., c.l., works..ton.33.00 - —
l.c.l., works.....ton.41.25 - —
250, 100 mesh, bgs., c.l., works..ton.40.00 -50.00
l.c.l., works.....ton.50.00 -60.00
second grade, bgs., c.l., works..ton.23.90 -30.00
l.c.l., works.....ton.29.90 -47.50
300, 140 mesh, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
roofing, bgs., c.l., works..ton.23.50 -30.00
l.c.l., works.....ton.30.00 -37.50
wet-ground, paint, oil or lacquer, bgs., c.l., dlvd. E....lb. .04¼- —
l.c.l., works.....lb. .04¾- —
water, bgs., c.l., dlvd. E..lb. .04 - —
l.c.l., works.....lb. .04 - —
paper, wall or coated, bgs., c.l., frt. alld., E..lb. .03¾- —
l.c.l., 2,000 lbs., frt. all., E..lb. .04¼- —
smaller lots, frt. alld., E..lb. .04¾- —
rubber, bgs., c.l., frt. alld., E..lb. .03½- —
l.c.l., 2,000 lbs., ft., alld., E..lb. .04 - —
smaller lots, frt. alld., E..lb. .04½- —

wet-ground mica prices are ½c. per pound higher on Pacific coast.

Milk powder, skimmed, roller, bbls., c.l...lb. .07½- —
l.c.l. .....lb. .08½- —
spray, bbls., c.l.....lb. .08½- —
l.c.l. .....lb. .09½- —
unskimmed, roller, bbls., c.l..lb. .17 - —
l.c.l. .....lb. .17½- —
spray, bbls., c.l.....lb. .17 - —
l.c.l. .....lb. .17½- —
Millet seed, bgs.....lb. .02¾- .03
hulled, bgs.....lb. .06½- .07
Mineral spirits (see Petroleum thinner and V. M. & P. naphtha).
Molasses, blackstrap, tanks..gal. .07¼- —
New Orleans.....gal. .07 - —
Molybdate orange (see Orange, melybdate).
Molybdenum metal, kgs., 99% powd..lb. No prices
Monoamylamine, dms., c.l., wks. lb. .52 - —
l.c.l., works.....lb. .55 - —
Monochlorobenzene, dms.....lb. .06 - .06¼
Monoethanolamine, dms., c.l., works..lb. .26 - —
l.c.l., dms .....lb. .27 - —
tanks .....lb. .25 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Mullein flowers, cns.....lb. .85 - .90
Leaves, bls.....lb. .07 - .08
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.90 - —
5 lbs. to 75 lbs.....lb. 4.20 - —
1 lb.....lb. 4.35 - —
Ketone, cns., 100 lbs. or more, lb. 4.05 - —
5 lbs. to 75 lbs.....lb. 4.35 - —
1 lb.....lb. 4.50 - —
Xylol, cns., 100 lbs. or more lb. 1.15 - —
5 lbs. to 75 lbs.....lb. 1.25 - —
1 lb.....lb. 1.40 - —
Musk root, bls.....lb. .09 - .10
Mustard seed, Bombay, brown, bgs..lb. .06½- .06¾
California, brown, bgs.....lb. .0735- .0775
yellow, bgs.....lb. No stocks
Chinese, yellow, bgs.....lb. .05¾- .06¼
Danish, yellow, bgs.....lb. .08 - .08½
Dutch, yellow, bgs.....lb. .08 - .08½
English, yellow, bgs.....lb. .08¾- .09¼
Hungarian, yellow, bgs....lb. .07¾- .07¾
Roumanian, yellow, bgs....lb. .06 - .06½
Myrobalans, J1, bgs., shipt..ton.20.00 - —
J, bgs., shipt.....ton.20.50 - —
R2, bgs., shipt.....ton.20.00 - —
Extract, liquid, 25%, bbls....lb. .04¼- .05¼

N

Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., works..100 lbs. 2.50 - 2.75
import., bgs., Atlantic ports, 100 lbs. 2.25 - 2.50
78 deg., dom., bgs., works, 100 lbs. 3.00 - 3.25
import, bgs., Atl. ports, 100 lbs. 2.75 - 3.00
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07¼- —
jobbers, cs., same basis.. lb. .07½- —
pkgs. (16 oz.), same basis. lb. .08 - —
(12 oz.) same basis..pkg. .06¼- —
chipped, crushed, bbls., same basis..lb. .06¼- —
rice, cryst., powd., bbls., same basis..lb. .07¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .86 - .87½
Chloride, bbls.....lb. .18 - .20
Oxide, black, bbls.....lb. .85 - .88
Salt, double, bbls.....lb. .13 - .13¾
single, bbls.....lb. .13 - .13¾
Nicotine sulphate, 40%, dms., works, frt. alld.lb. .76 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., l.c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07½- —
Nitrocellulose, alcohol-soluble, ⅛, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 30, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec. and higher vis., bbls., contract, c.l., 18,000 lbs. dry weight, works .....lb. .22 - —
10,000 lbs.....lb. .25 - —
spot, bbls., works.....lb. .26 - —
lacquer, 20-30 and 60-80 sec. vis., bbls., works.....lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.04 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., Fall shipt. dlvd. unit-ton. 2.90 - —
Chemical, Ill....unit-ton. 2.85 - —
East Coast producing points..unit-ton. 3.10 - 3.25
import., bgs., c.i.f. Atlantic ports, ship..unit-ton. 3.15 - 3.20
Nitronaphthalene, bbls.....lb. .24 - .25
Nitrotoluene, mixed, dms.....lb. .10½- .11
Nutgalls, Aleppo, bgs., cs.....lb. .20 Nom.
Chinese, shipmt., cs.....lb. .20 Nom.
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .19¼- .19¾
110s, bgs., cs.....lb. .17¼- .17½
West Indian, bgs.....lb. .14¼- .14½
Nux vomica, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .06¼- .07

O

Oakbark extract, 25% tan., bbls., c. l., works..lb. .03¼- —
l.c.l., bbls., works.....lb. .03¼- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .13 - —
l.c.l., G.3.....gal. .15 - —
tanks, G.3.....gal. .10½- —
Octyl acetate, dms., c.l., works.lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works .....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.75 - 3.00
s.p.a., bots.....lb. 3.00 - 3.25
sweet, true, exp., cns.....lb. .95 - 1.00
Amber, crude, cns.....lb. .16 - .17
refd., cns .....lb. .45 - .46
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.64.00 -75.00
Seed, bots.....lb.70.00 -80.00
Anilin (see A).
Anise, USP, cns., dms.....lb. 1.20 Nom.
Apricot kernel, cns.....lb. .30 - .31
Babassu, tanks, futures.....lb. .07¼- .07¾
Bay, W. I., cns.....lb. 1.50 - 1.70
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers.....lb. 3.70 - 3.80
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms.....lb. .14 - .17
rectif'd., cns.....lb. .70 - .75
Bois de rose, Brazil, cans..lb. 1.25 - 1.35
Cayenne, cns.....lb. 2.75 - 3.00
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .56 - .57
USP IX, cns.....lb. .71 - .88
Calamus, cns.....lb. 5.50 - 5.75
Camphor, sassafrassy, cns...lb. .22 - .23
dms. .....lb. .19 - .20
white, cns. .....lb. .21 - .22
dms. .....lb. .18 - .19
Cananga, native, cns.....lb. 1.75 - 2.25
rectified, cns.....lb. 3.00 - 3.25
Capsicum (oleoresin), USP VIII, cns..lb. 2.00 - 2.25
Caraway, USP, cns.....lb. 2.10 - 2.25
Cardamom, bots.....lb.20.00 -88.00
Cassia, USP, cns., dms...lb. 1.20 Nom.
Castor, blown, one-way dms., c.l..lb. .12¼- —
l.c.l. .....lb. .13 - —
medicinal, bbls., c.l.....lb. .10¾- —
l.c.l. .....lb. .11¼- —
cns. (1-gal), l.c.l.....lb. .14½- —
dms. (returnable), c.l....lb. .10½- —
l.c.l. .....lb. .11¼- —
(5-gal.), l.c.l.....lb. .12½- —
tanks .....lb. .10 - —
No. 3, bbls., c.l.....lb. .10¼- —
l.c.l. .....lb. .11 - —
dms. (returnable), c.l..lb. .10 - —
l.c.l. .....lb. .10¾- —
tanks .....lb. .09½- —

Castor oil, med. and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y. l.c.l. prices ¾c. higher than N. Y.; one way dms., ¼c. higher, all points.

sulphonated, 50% (43% fat), dms., c.l. lb. .08 - —
l.c.l. .....lb. .08½- —
75% (63% fat), dms., c.l..lb. .11½- —
l.c.l. .....lb. .12 - —
80% (68% fat), dms., c.l..lb. .12½- —
l.c.l. .....lb. 13 - —
Cedarleaf, cns.....lb. 1.00 - 1.15
dms. .....lb. .95 - 1.10
Cedarwood, Oregon, cns., dms., lb. .28 - .3[illegible]
Southern, cns., dms.....lb. .24 - .2[illegible]
Celery, bots.....lb.10.50 -12.[illegible]

Oil, chaulmoogra, USP, cns. 500 lbs..lb. .90 - —
25 lbs.....lb. 1.00 - —
Chinawood, dms., Atlantic Cst. lb. .19 Nom.
tanks .....lb. .19 Nom.
Cinnamon, Ceylon, bots.....lb. 8.00 -22.00
Seychelle, bots.....lb. 6.50 - 7.50
Citronella, Ceylon, cns.....lb. .44 - .46
dms. .....lb. .42 - .44
Java, dms.....lb. .50 - .52
Clove, makers, USP, cns....lb. 1.17 - —
dms. .....lb. 1.15 - —
Coconut, Manila, crude November, forward, tanks.lb. .04¼- —
Pac. Cst.....lb. .04 Nom.
edible, 76°, tax incl., dms., (returnable), c.l..lb. .10 - —
l.c.l. .....lb. .10½- —
tanks .....lb. .09½- —
Cod, Newfoundland, tanked, bbls..gal. .52 Nom.
Norwegian, shipt.. bbls...gal. .42 Nom.
Codliver, med., USP, Norwegian, bbls..bbl.25.00 -27.00
for feed purposes, not USP, dms..gal. .50 - .65
Coriander, bots.....lb.24.00 -25.00
Corn, crude, tanks, works....lb. .07¼Nom.
refd., bbls.....lb. .10½Nom.
Cottonseed, dom., cooking, bbls. lb. .09½- —
salad, bbls.....gal. .09¾- —
import., Brazilian semi-refd. dms..lb. .04¾Nom.
British, semi-refd., dms..lb. .05¾Nom.
Creosote (see C).
Croton, USP, cns.....lb. 1.30 - 1.35
Cubeb, USP, cns.....lb. 2.85 - 3.10
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.50 -10.00
Cypress, dom., bots.....lb. 5.25 - 5.30
import., cns.....lb.12.00 -12.25
Degras (see D)
Diesel, Bayonne, bulk.....bbl. 2.20 - —
California, 27 plus, bulk..bbl. 1.00 - 1.25
Dill seed, bots.....lb. 3.15 - 3.50
Weed, bots.....lb. 5.00 - 5.50
Dip (See D):—
Erigeron, cns.....lb. 1.75 - 1.80
Eucalyptus, cns.....lb. .45 - .54
dms. .....lb. .43 - .51
Fennel, sweet, cns.....lb. 1.20 - 1.30
Fuel, bunker, California, tide-water..bbl. .85 - .95
Gulf Coast.....bbl. 1.00 - 1.05
Louisiana - Arkansas, 10-14, bbl. .65 - .75
N. Y. and N. J. terminals:—
Monday .....bbl. 1.35 - 1.50
Tuesday .....bbl. 1.35 - 1.50
Wednesday .....bbl. 1.35 - 1.50
Thursday .....bbl. 1.35 - 1.50
Friday .....bbl. 1.35 - 1.50
Saturday .....bbl. 1.35 - 1.50
North Texas, 18-22.....bbl. .80 - .85
24-28, zero cold test.....bbl. .95 - 1.05
Oklahoma, 18-22.....bbl. .85 - .90
24-28, zero cold test..bbl. 1.07½- 1.12½
24-28, 15 and above.....bbl. .90 - .95
Pennsylvania, 36-40.....gal. .04¾- .04½
Furnace, Bayonne, l, bulk, refinery..gal. .05 - —
2, bulk, same basis.....gal. .04¾- .05¼
3, bulk, same basis.....gal. .04¾- .05¼
4, bulk, same basis.....gal. .04¾- .04¾
Louisiana - Arkansas, 32 - 36, light straw..gal. .03¾- .04
Oklahoma, 28-30.....gal. .03¼- .03½
32-36 .....gal. .03½- .03¾
36-38 .....gal. .03¾- .03¾
38-40, straw.....gal. .03¾- .04
38-40 zero, 60 e.p.....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .04¾- —
Gulf Coast, bulk.....gal. .03½- .03¾
North Texas, bulk.....gal. .02¾- .03
Oklahoma, bulk.....gal. .02½- .03½
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb. 4.00 - 4.75
Bourbon, cns.....lb. 3.75 - 4.00
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 2.20 - 3.00
Ginger, dist., bots.....lb. 8.00 - 8.50
Guaiac wood, concrete, bots.lb. 3.10 - 3.15
Haarlem, dom., bots.....gross 3.25 - 3.35
import, bots.....gross 3.25 - 3.35
Halibut-liver, dms. 1,000 A unit-gal. .75 - 1.00
Hemlock, cns.....lb. 1.05 - 1.10
Juniper berry, USP, cns....lb. 1.20 - 1.75
Wood, tech., cns.....lb. .45 - —
Juniper tar, U.S.P.XI, 1,000 lb. dms..lb. .43 - .45
cns. .....lb. .48 - .50
Lard, common, 1, bbls.....lb. .11¼- —
2, bbls.....lb. .11 - —
extra, bbls.....lb. .12¾- —
1, bbls.....lb. .11½- —
headlight, burning, bbls....lb. .14 - —
prime, ed., bbls.....lb. .15 - —
ined., bbls.....lb. .14 - —
winter, strained, extra bbls., lb. .13 - —
prime, bbls.....lb. .13¼- —
Laurel, bots.....lb. 6.50 - 6.75
Lavandin, cns., 25 lbs.....lb. 2.70 - —
Lavender flower, French, USP, 50% ester, cns.,.lb. 6.00 - 7.50
U.S.P., 38-42% ester, cns.lb. 5.25 - 6.00
XI, 35% ester, cns....lb. 4.00 - 4.50
XI, 30% ester, cns....lb. 2.80 - 3.00
IX, 30% ester, cns...lb. 2.65 - 2.75
VIII, 30% ester, cns....lb. 2.25 - 2.35
garden, cns.....lb. .42 - .45
Spike, Spanish, tech., cns..lb. 1.05 - 1.10
dms .....lb. .95 - 1.10
Lemon, Calif., cns.....lb. 2.75 - —
Messina, coppers, cns.....lb. 3.50 - 3.75
Lemongrass, native, cns., dms. lb. .42 - .43
Lime, dist., cns.....lb. 6.10 - 6.50
expressed, cans.....lb. 9.50 -10.25
Linaloe wood, cns.....lb. 1.15 - 1.20
Linseed, boiled, bbls., c.l....lb. .1120- —
l.c.l., 5 or more.....lb. .1160- —
less than 5.....lb. .1200- .1220
tanks .....lb. .1060- —
double boiled, bbls., less than 5..lbs. .1220- .1240
raw, bbls., c.l.....lb. .1080- —
l.c.l., 5 or more.....lb. .1120- —
less than 5.....lb. .1160- —
tanks .....lb. .1020- —
Lovage, bots.....lb.41.25 -72.00
Lubricating, at refinery (including U.S. tax 4c. per gal.):—
California, green, 70, 80, 100, vis., dms..gal. .20 - —
140 vis., dms.....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., dms. gal. .26 - —
Oklahoma, bright stocks, 100-110 D, 0-10 pour tanks..gal. .21 - —
15-25 pour, tanks..gal. .20 - —
150-160 D, 0-10 pour tanks..gal. .23 - —
15-25 pour, tanks gal. .22½- —
150-160 E, 15-25 pour, tanks gal. .22 - —
190-200 D, 15-25 pour, tanks..gal. .26 - —
200-210 E, 15-25 pour, tanks..gal. .25 - —

Oil, lubricating, at refy., Oklahoma, neutrals, 0-10 pour, vis., 3 color, tans..gal. .18 - —
180 vis., 3 color, tanks, gal. .14 - —
4 color, tanks....gal. .13½- —
200 vis., 3 color, tanks, gal. .14½- —
4 color, tanks....gal. .14 - —
250 vis., 3 color, tanks, gal. .15½- —
4 color, tanks....gal. .15 - —
280 vis., 3 color, tanks, gal. .16½- —
4 color, tanks....gal. .16 - —
300 vis., 3½, color, tanks..gal. .17 - —
350 vis., same basis.gal. .17½- —
400 vis., same basis.gal. .18 - —
500 vis., same basis.gal. .18½- —
600 vis., same basis.gal. .19 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penn., bright, 600 cold test, 10-40 pour, tanks..gal. .24 - —
10-15 pour, tanks..gal. .25 - —
cylinder, 600 fire, tanks, gal. .17½- —
600 flash, tanks.....gal. .21 - —
630 flash, tanks.....gal. .24½- —
635 fire, tanks.....gal. .18½- —
650 fire, tanks.....gal. .20 - —
Warren, E, amber, tanks, gal. .21 - —
neutral, 150 vis., 3 color, tanks..gal. .24 - —
180 vis.,3 color,tanks.gal. .26 - —
200 vis.,2 color,tanks.gal. .28½- —
spot, Penna., bright, bbls., c.l., f.a.s..gal. .32 - —
unfiltered, 600 s.r., bbls., f.a.s..gal. .28 - —
600 flash, s.r., bbls., c.l., gal. .30½- —
650 s.r., bbls., c.l., f.a.s., gal. .28 - —
Warren, E. bbls., c.l.,f.a.s. gal. .30 - —
smaller lots, f.o.b.gal. .32½- —
Mace, dist., cns., dms.....lb. 1.25 - 1.30
Mandarin, superior, coppers..lb. 8.10 - 8.25
Menhaden, crude, tanks, f.o.b. Balto..gal. .37½ Nom.
refd., alkali, dms.....lb. .0780- —
tanks .....lb. .0720- —
blown, dms.....lb. .0780- —
kettle-bodied, dms.....lb. .0880- —
light pressed, dms.....lb. .0720- —
tanks .....lb. .0650- —
Mineral, white (see Oil, white mineral)
Mustard, artif., USP., cns...lb. 1.85 - 1.90
dist., natural, bots.....lb. 8.50 - 9.00
expressed, bbls.....gal. .90 - .95
Neatsfoot, cold test, bbls....lb. .17¼- —
extra, bbls.....lb. .11¾- —
1, bbls.....lb. .11½- —
pure, bbls.....lb. .12¾- —
special, bbls.....lb. .13 - —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb. 115.00 -140.00
Nutmeg, USP, cns., dms....lb. 1.25 - 1.30
Oiticica, dms.....lb. .15½ Nom.
futures .....lb. .15 Nom.
Oleo, 1, bbls.....lb. 13.00 - —
2, bbls. .....lb. 12.25 - —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., bbls.....gal. 1.30 -Nom.
edible, bbls.....gal. 2.40 Nom.
foots, bbls.....lb. .10¾ Nom.
sulphonated, 50% (43% fat), dms., c.l..lb. .12 - —
l.c.l. .....lb. .12½- —
75% (63% fat), dms., c.l..lb. .15¼- —
l.c.l. .....lb. .16 - —
80% (68% fat), dms., c.l..lb. .16¼- —
l.c.l. .....lb. .17 - —
Orange, sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms..lb. 1.90 - 2.00
Calif., cns.....lb. 2.50 - —
Florida, cns.....lb. 2.50 - 2.65
Messina, USP, coppers.lb. 3.00 - 4.10
West India, cns.....lb. 2.25 - 2.30
Origanum, Spanish, cns.....lb. .90 - 1.60
Orris, Florentine, concrete, extra strong, bots..oz. 5.25 - 5.50
Palm, Niger, cks.....lb. .04¾- —
shipment .....lb. .04¾- —
softs, 12½%, bulk shipt....lb. .0425 Nom.
20%, bulk, shipt.....lb. .0415 Nom.
Sumatra, shipment, bulk...lb. .04½ Nom.
Palmarosa, cns.....lb. 2.90 - 3.00
Palmkernel, bulk, shipt.....lb. .04¾ Nom.
Paraffin, 320° flash, 60-70 vis., tanks, G. S..gal. .05¼- —
330° flash, 70-80 vis., tanks, G. S..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls. extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. S..gal. .05¾- —
Patchouli, bots., cns.....lb. 5.00 - 8.50
Peanut, crude, dom., tanks, works..lb. .07½Nom.
refd., edible, bbls.....lb. .11½Nom.
Pennyroyal, dom., cns.....lb. 1.55 - 1.60
import, cns.....lb. 1.40 - 1.45
Peppermint, natural, cns., dms. lb. 2.55 - 2.80
redist., USP, cns., dms...lb. 2.85 - 3.10
Perilla, dms.....lb. .13¾ Nom.
tanks .....lb. .13¾ Nom.
Petitgrain, Paraguay, cns...lb. 1.10 - 1.25
Pimento berry, cns.....lb. 3.75 - 4.00
leaf, cns.....lb. 2.50 - 2.60
Pine, dest.-dist., straw-color, dms., dlvd., E. ports...gal. .52 - .55
steam-dist., dms.....gal. .69 -
tanks .....gal. .64 -
Pineneedle, Siberian, cns....lb. 1.00 - 1.05
Putty, bbls., El Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, blown, bbls.....lb. .14¼- .14½
denat., bbls.....gal. .95 - .96
Red. dist. or saponif., bbls., dlvd..lb. .10¾- .11⅞
dms., dlvd.....lb. .10¾- .11¾
tanks, dlvd.....lb. .10 - —
white, dms.....lb. .13¾- .14¼
Rose, artif., bots.....oz. 2.00 - 8.00
natural, coppers.....oz. 5.25 -22.50
Rosemary, Spanish, cns.....lb. .56 - .75
dms., ...lb. .51 Nom.
Rosin, 1st, rectfd., dms....gal. .58 - .60
2d rectfd , dms.....gal. .60 - .62
3d rectfd., dms.....gal. .64 - .66
Rue, bots.....lb. 2.15 - 2.20
Sage, cns.....lb. 1.65 - 1.70
Sandalwood, Australia, cns..lb. 4.50 - 5.00
E.I., USP, cns.....lb. 5.25 - 5.50
Sardine, crude, tanks, Pac. Cst., gal. .36 Nom.
refd., alkali, dms.....lb. .0780- —
tanks .....lb. .0720- —
kettle-bodied, dms.....lb. .0880- —
light, pressed, dms.....lb. .0720- —
tanks .....lb. .0650- —
Sassafras, artif., cns.....lb. .41 - .42
dms. .....lb. .39 - .40
natural, cns., dms.....lb. .90 - 1.05
Savin, cns.....lb. 1.50 - 1.60
Savory, cns .....lb. 3.15 - 3.20
Sesame, dom., refd., white, dms. lb. .11½Nom.

Oil, shingle stain, bbls., c.l., works..gal. .18 - —
l.c.l., works..gal. .14 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada cns.....lb. 10.00 -11.00
Soybean, dom., crude, dms..lb. .0910- .0950
tanks .....lb. .0850- —
refd., dms.....lb. .1010- .1050
tanks .....lb. .0950- —
Spearmint, USP, cns.....lb. 2.00 - 2.05
Sperm, bleach, 38°, dms....lb. .1000- .1020
45°, dms .....lb. .0930- .0950
natural, dms.....lb. .0880- .0900
Spruce, cans.....lb. 1.05 - 1.10
Sweet birch, North, cns.....lb. 3.25 - 3.50
South, cns .....lb. 1.65 - 2.00
Tallow, acidless, bbls.....lb. .11¼- —
tanks .....lb. .10¾- —
Tansy, cns.....lb. 4.25 - 4.30
Tar, com'l, dms., c.l., dlvd., E. cities..gal. .26 - —
E. ports .....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., USP bbls., dlvd. E. ports..gal. .50 - —
Tar acid (see T)
Teaseed, crude, dms.....lb. .09¼- .09½
refined, dms .....lb. .12⅜- .12⅝
Thyme, NF, red, dms.....lb. .85 - 1.50
white, dms .....lb. .85 - 1.70
Tung (see Oil, chinawood)
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T)
Turtle, cns.....gal. 4.25 - 5.00
Valerian, bots.....lb. 12.00 -14.00
Vetiver, bots.....lb. 9.00 -16.50
Walnut, crude, dms.....lb. .12 Nom.
refd., dms.....lb. .13 Nom.
Whale, refd., natural, dms..lb. .0940- .0960
winter, bleach, dms.....lb. .0980- .1000
Wheat germ, cns., dms....gal. 27.50 -30.00
White mineral, dom., tech., 50-60 vis., dms.....gal. .42 - .44
65-75 vis., dms.....gal. .44 - .46
80-90 vis., dms.....gal. .45 - .47
U.S.P., 80-90 vis., dms.gal. .54 - .56

Oil, white mineral, U.S.P., 95-105 vis., dms.....gal. .63 - .65
125-135 vis., dms.....gal. .73½- .77½
140-150 vis., dms.....gal. .76½- .78½
175-185 vis., dms.....gal. .78½- .80½
200-210 vis., dms.....gal. .80 - .82
320-330 vis., dms.....gal. .85½- .87½
335-345 vis., dms.....gal. .87 - .89
Russian, 80-90 vis., dms. gal. .54- —
145-155 vis., dms.....gal. .74½- —
175-185 vis., dms.....gal. .76½- —
335-345 vis., dms.....gal. .85 - —
Wintergreen, natural, North. cns..lb. 4.00 - 8.00
South, cns.....lb. 3.35 - 3.75
synth. (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.70 - 2.75
Wormwood, cns.....lb. 2.90 - 3.00
Ylang-ylang, Bourb., bots., cns. lb. 3.50 - 6.00
Manila, bots. .....lb. 18.00 -24.00
Opium, USP, cns.....lb. 11.50 -12.50
gran., cns.....lb. 12.50 -13.50
powd., cns.....lb. 12.50 -13.50
Lake, Persian, bbls.....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash....lb. .12¼- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. .....lb. .12¾- —
Colo., Mont., N.M.,Wyo. lb. .12½- —
Other points .....lb. .12 - —
smaller lots, dlvd., Ala., etc..lb. .12¾- —
Ariz., etc. .....lb. .13¼- —
Colo., Mont., N. M., Wyo..lb. .13 - —
Other points .....lb. .12½- —

Oil, Lubricating—Oxyquinolin

Orange mineral, French, Tours, csks., ex dock..lb. .17 - —
kgs., ex dock.....lb. .18½- —
Molybdate, bbls. .....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .30 - .35
Orange peel, bitter, bls.....lb. .08 - .09
Sweet, bls.....lb. .10 - .11
Orris root, Florentine, bgs....lb. .08 - .09
fingers, cs.....lb. .90 - .95
powd., bbls., bxs.....lb. .12 - .13
Verona, bls.....lb. .08 - .09
powd., bxs, cs.....lb. .11 - .12
Orthoanisidin, bbls.....lb. .70 - .74
Orthochloroanilin, dms.....lb. .60 - .75
Orthochlorophenol, dms.....lb. .35 - .75
Orthocresol, dms., c.l. works..lb. .13½- —
l.c.l., same basis.....lb. .14½- —
Orthodichlorobenzene, dms, c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., dms., same basis...lb. .07 - —
100 lb. tins, same basis.lb. .08 - —
50 lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Othonitroanilin, dms.....lb. .55 - —
Orthonitrochlorobenzene, kgs..lb. .25 - .30
Orthonitroparachlorophenol,cns.lb. .70 - .75
Orthonitrotoluene, dms.....lb. .07 - —
Orthotoluene sulphonate, kgs..lb. 2.00 - 2.05
Orthotoluidin, dms.....lb. .14 - —
Osage orange extract, cryst.,bbls. lb. .17 - .19
liquid, 51°, bbls.....lb. .07 - .08
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs. lb 3.65 - 4.00

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MERCK & CO. Inc. *Manufacturing Chemists* RAHWAY, N. J.

NEW YORK • PHILADELPHIA • ST. LOUIS • *In Canada:* MERCK & CO. LTD., MONTREAL AND TORONTO

P

Papain, powd., cs.....lb. 1.60 - 1.65
Paprika, Hungarian, extra fancy, bgs..lb. .21 - .21½
medium, bgs.....lb. .20½- .21
Spanish, extra fancy, cs....lb. .26 - .26½
fair, bgs.....lb. .22½- .23
fancy, bgs.....lb. .25½- .26
medium, bgs.....lb. .24 - .24½
Para-aminoacetanilide, kgs....lb. .85 Nom.
Para-amylphenol, tertiary, dms., c.l., works..lb. .26 - —
Parachlorophenol, dms.....lb. .30 - .45
Paracymene, rfd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms.....lb. .16 - .20
kgs.....lb. .18 - .26
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .03 - —
bbls., c.l., N. Y....lb. .0295- .06
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .03½- —
bbls., c.l., N. Y....lb. .03 - .0305
yellow, 124-126 A.m.p., bbls., c.l., N. Y..lb. .02⅝ Nom.
fully refd., slabs, 125-125 A.m.p., bgs., c.l..lb. .0445- —
export, f.a.s., N. Y..lb. .0465- —
125-127 A.m.p., bgs., c.l..lb. .0455- —
export, f.a.s., N. Y..lb. .04⅝- —
128-130 A.m.p., bgs., c.l..lb. .0480- —
export, f.a.s., N. Y..lb. .05 - —
130-132 A.m.p., bgs., c.l..lb. .0495- —
export, f.a.s., N. Y..lb. .0515- —
133-135 A.m.p., bgs., c.l..lb. .0555- —
export, f.a.s., N. Y..lb. .05⅝- —
135-137 A.m.p., bgs., c.l..lb. .0580- —
export, f.a.s., N. Y..lb. .06 - —
138-140 A.m.p., bgs., c.l..lb. .0635- —
143-145 A.m.p., bgs., c.l..lb. .0790- —
refined paraffin prices in cases are ½c. lb. higher than bags price.
match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .03¼- —
semirfd., solid, 122-124 A.m.p., bgs..lb. .03¼ Nom.
Paraformaldehyde, dms.. 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C..lb. .34 - —
100 to 900 lb. shipments, same basis..lb. .35 - —
Paraldehyde, tech., dms., wks.lb. .16 - .18
USP, cbys.....lb. .37 - .45
Paranitroanilin, kgs., c.l., works.....lb. .45 - —
l.c.l., works.....lb. .47 - —
Paranitrochlorobenzene, kgs...lb. .23½- .24
Paranitrophenol, kgs.....lb. .35 - .37
Paranitrotoluene, kgs.....lb. .35 - —
Paraphenylenediamine, bbls...lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - .75
Paratoluidin, bbls.....lb. .58 - —
Pareira brava root, bls.....lb. .14 - .15
Paris green, dealer, dms., kgs., c.l., f.o.b. N. Y., frt. all'd E. of Cleve..lb. .22 - .24
less car lot, same basis..lb. .23 - .25
Passion flower herb, bls.....lb. .06½- .07
Patchouli leaves, bls.....lb. .14 - .15
Pellitory root, bls.....lb. .16 - .17
Pennyroyal, bls.....lb. .14 - .15
Pentane, norm., 28-38°, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .05½- —
laboratory grade, dms., c.l., G.3..gal. .16 - —
l.c.l., G.3.....gal .25
Pepper, black, Alleppy, bgs...lb. .09½- .09¾
Lampong, bgs.....lb. .06¾- .06⅞
Tellicherry, bgs.....lb. .10 - .10½
Red, birdseye, bgs.....lb. .15 - .15¼
Japanese 1, bgs.....lb. .13½- .13¾
Mombassa, bgs.....lb. .17 - .17½
White, Java, Muntok, bgs..lb. .10½- .10⅝
Singapore, Muntok, bgs....lb. .10¼- .10½
Peppermint leaves, dom., bls..lb. .28 - .30
import, bls.....lb. .40 - .42
Peru balsam, dms.....lb. .95 - 1.00
Petrolatum, amber, bbls., c.l., lb. .02⅞- .03
l.c.l.....lb. .04 - .04¼
extra, bbls.....lb. .03½- .03¼
l.c.l.....lb. .04¼- .04½
cream (see white, cream)
green (see red)
red, veterinary, bbls., c.l....lb. .02¾- .02⅞
l.c.l.....lb. .03¾- —
white, cream, bbls., c.l.....lb. .05 - .05¼
l.c.l.....lb. .06⅝- —
lily, bbls., c.l.....lb. .06 - .06¼
l.c.l.....lb. .07⅝- —
snow, bbls., c.l.....lb. .07 - .07¼
l.c.l.....lb. .08⅝- —
Petroleum, crude, bulk, at wells:—
California:—
Alamitos Heights.....bbl. .74 - .98
Athens.....bbl. .84 - 1.66
Belridge.....bbl. .70 - 1.32
Buena Vista Hills.....bbl. .70 - 1.38
Coalinga.....bbl. .70 - .90
Coyote Hills (West)...bbl. .78 - 1.32
Domingues.....bbl. .79 - 1.00
East Coyote.....bbl. .76 - .96
Elk Hills.....bbl. .70 - 1.38
Elwood Terrace, f.o.b. ship., bbl. 1.28 - 1.43
Huntington Beach.....bbl. .78 - 1.29
Inglewood.....bbl. .79 - 1.27
Kern Front.....bbl. .70 - —
Kern River.....bbls. .70 - —
Kettleman Hills.....bbl. 1.19 - 1.43
La Habra.....bbl. .76 - .96
Lakeview.....bbl. .70 - 1.38
Lost Hills.....bbl. .70 - 1.32
McKittrick.....bbl. .70 - —
Midway - Sunset (except Lakeview)..bbl. .70 - 1.38
Montebello.....bbl. .77 - 1.43
Mt. Poso.....bbl. .70 - —
Mountain View.....bbl. .70 - 1.20
Newhall.....bbl. .70 - —
Olinda Brea.....bbl. .76 - 1.27
Orcutt.....bbl. .70 - .98
Playa del Rey, f.o.b. pipe-line.....bbl. .80 - 1.16
Richfield.....bbl. .76 - 1.09
Rosecrans.....bbl. .84 - 1.66
Round Mt.....bbl. .70 - —
Santa Fe Springs.....bbl. .78 - 1.42
Santa Paula.....bbl. .70 - 1.01
Seal Beach.....bbl. .79 - 1.19
Signal Hill.....bbl. .80 - 1.21
Torrence.....bbl. .80 - 1.05
Wheeler Ridge.....bbl. .70 - .88
Whittier.....bbl. .76 - .96
Canada:—
Oil Springs.....bbl. 2.17 - —
Petrolia.....bbl. 2.10 - —
Central West:—
Illinois.....bbl. 1.35 - —
Lima.....bbl. 1.25 - —
Midland (Mich.).....bbl. 1.42 - —
Princeton.....bbl. 1.35 - —
East Texas.....bbl. 1.35 - —
Gulf Coast:—
Barber's Hill.....bbl. .95 - 1.41
Batson.....bbl. .95 - 1.41
Dayton.....bbl. .95 - 1.41
Esperson.....bbl. .95 - 1.41
Goose Creek.....bbl. .95 - 1.41
Hull.....bbl. .95 - 1.41
Humble.....bbl. .90 - 1.41
Liberty.....bbl. .90 - 1.41
Markham.....bbl. .90 - 1.20
Orange.....bbl. .95 - 1.41
Pettus.....bbl. 1.37 - —
Pierce Junction.....bbl. .95 - 1.41
Petroleum, crude, bulk, at wells, Gulf Coast, Refugio (incl. Greta, Taft, Saxet)..bbl. 1.01 - 1.17
Saratoga.....bbl. .95 - 1.41
Sour Lake.....bbl. .90 - 1.41
Spindle Top.....bbl. .95 - 1.41
Sugarland.....bbl. .95 - 1.41
West Columbia.....bbl. .95 - 1.41
Kentucky, Tennessee:—
Big Sandy river.....bbl. 1.42 - —
Kentucky river.....bbl. 1.50 - —
Western Kentucky (Owensboro)..bbl. 1.40 - —
Louisiana, Arkansas:—
Bull Bayou.....bbl. .90 - 1.22
Caddo.....bbl. .90 - 1.22
Cameron Meadows....bbl. .90 - 1.30
Choctaw.....bbl. .90 - 1.30
Cotton Valley.....bbl. .90 - 1.22
Darrow.....bbl. .90 - 1.30
De Soto.....bbl. .90 - 1.22
El Dorado.....bbl. .90 - 1.22
Haynesville.....bbl. .90 - 1.22
Homer.....bbl. .90 - 1.22
Iowa.....bbl. .90 - 1.30
Lockport.....bbl. .90 - 1.30
Miller County.....bbl. .90 - 1.22
Pine Island.....bbl. .90 - 1.22
Rainbow.....bbl. .90 - 1.22
Rodessa.....bbl. .90 - 1.22
Smackover.....bbl. .90 - —
Tepetate.....bbl. 1.24 - —
Urania.....bbl. 1.02 - —
Mexico, f.o.b. terminals Mexican ports—based on contract:—
Panuco.....bbl. 1.05 - —
Tax, 16.048c. per bbl.
Tuxpan.....bbl. No Prices.
Tax, 26.047c. per bbl.
Midcontinent:—
North Texas.....bbl. .96 - 1.20
Oklahoma-Kansas....bbl. .98 - 1.30
Altus, Tipton (Okla.), bbl. .96 - 1.20
Pennsylvania, Ohio, West Virginia:—
Bradford-Allegany....bbl. 2.60 - —
Corning.....bbl. 1.27 - —
Pennsylvania grade, in Buckeye lines..bbl. 2.10 - —
Eureka lines.....bbl. 2.25 - —
N. Y. Transit lines.bbl. 2.60 - —
S.W. Penn. lines....bbl. 2.30 - —
lower district in National Transit lines.bbl. 2.55 - 2.60
Rocky Mountain:—
Big Muddy.....bbl. 1.18 - 1.23
Cannon City-Florence.bbl. 1.10 - —
Cat Creek.....bbl. 1.40 - —
Dutton Creek.....bbl. 1.06 - 1.30
Elk Basin.....bbl. 1.30 - —
Fort Collins-Wellington... bbl. 1.01 - 1.25
Frannie, light.....bbl. .82 - —
Grass Creek.....bbl. 1.30 - —
Greybull.....bbl. 1.30 - —
Iles.....bbl. 1.12 - 1.18
Lance Creek.....bbl. .97 - —
Midway.....bbl. 1.06 - 1.30
Rock Creek.....bbl. 1.20½- —
Salt Creek.....bbl. 1.06 - 1.30
Sunburst.....bbl. 1.20 - —
Torchlight.....bbl. 1.30 - —
South, Central and Southwestern Texas:—
Cass County.....bbl. .98 - 1.25
Cleveland-Liberty....bbl. 1.27 - —
Conroe.....bbl. 1.20 - 1.44
Darst Creek.....bbl. 1.09 - —
Hardin-Liberty.....bbl. 1.15 - —
Luling.....bbl. 1.00 - —
Lytton Springs.....bbl. 1.12 - —
Mirando (incl. Duval).... bbl. .96 - 1.35
Panola County.....bbl. .93 - 1.25
Salt Flat.....bbl. 1.09 - —
Tomball.....bbl. 1.20 - 1.44
Van.....bbl. 1.10 - —
Texas Panhandle:—
Carson-Hutchinson counties, bbl. .91 - 1.03
Gray County.....bbl. .96 - 1.08
West Texas:—
Artesia, N. M.....bbl. .90 - —
Crane.....bbl. .78 - 1.08
Crockett.....bbl. .78 - 1.08
Ector.....bbl. .78 - 1.08
Glasscock.....bbl. .78 - 1.08
Hogback.....bbl. 1.33 - —
Howard.....bbl. .78 - 1.08
Jackson, N. M.....bbl. .90 - —
Lea, N. M.....bbl. .78 - 1.08
Maljamar, N. M....bbl. .90 - —
Mitchell.....bbl. .78 - 1.08
Pecos.....bbl. .91 - —
Upton.....bbl. .78 - 1.08
Winkler.....bbl. .78 - 1.08
Ether, 30-60°, dms., c.l., G. 3. gal. .14 - —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .13 - —
55-60°, dms., l.c.l., G.3....gal. .35 - —
40-75° dms., c.l., G.3.....gal. .14 - —
l.c.l., G.3.....gal. .16 - —
tanks, G3.....gal. .13 - —
laboratory grade, dms., c.l., G.3..gal. .16 - —
c.l., G.3.....gal. .25 - —
10-gal. lots, G.3.....gal. .50 - —
Lacquer, diluent, at refinery:—
California 60,160 l.b.p., 263 e.p., tanks, delvd. Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
f.o.b. Richmond..gal. .11½- —
Willbridge, Ore.; Ft. Wells, Wash..gal. .12 - —
East Coast, tanks....gal. .12 - .12½
Group 3, tanks.....gal. .08⅝- .09⅜
Naphtha, cleaners, at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .07⅝- .07⅞
tankwagon, Boston, ex-tax, gal. .13 - —
Bridgeport.....gal. .13½- —
Chicago, inc. 4c. tax...gal. .171 - —
Decatur, inc. 4c. tax...gal. .19 - —
Des Moines, inc.4c. tax.gal. .188 - —
Evansville, inc. ex tax.gal. .14½- .15½
Milwaukee, inc. 5c. tax, gal. .203 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .204 - —
Newark, ex tax.....gal. .12 - —
New York, ex tax.....gal. .12 - —
Omaha, ex tax.....gal. .144 - .154
Oklahoma City, ex tax.gal. .16 - —
Philadelphia, ex tax...gal. .11½- —
St. Louis, inc. 1c. tax.gal. .157 - —
Syracuse, 150 gals.....gal. .14 - —
smaller lots, galv. drums. gal. .16 - —
milk cans.....gal. .21 - —
High-solvency aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway.....gal. .18 - —
2, over 90% arom., same basis..gal. .21 - —
3, tanks, f.o.b. Bayway.gal. .16 - —
8, tanks, frt. alld. within 100 mi. radius of Paulsboro, N. J..gal. .17 - —
delivery beyond 100 mi., f.o.b. Paulsboro, frt. equald nearest comp. pt...gal. .16¼- —
30, same basis.....gal. .18¼- .19
40, same basis.....gal. .14½- .15½
Petroleum, naphtha, V. m. & p., at refinery:—
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond.....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 l.b.p., 310 e.p. tanks, dlvd. Los Angeles..gal. .10 - —
San Francisco..gal. .10¼- —
Portland, Seattle..gal. .11 - —
East Coast, tanks.....gal. .11 - —
Group 3, tanks.....gal. .07⅝- .07⅞
tankwagon, Boston, ex tax ..gal. .13 - .14
Chicago, inc. 4c. tax..gal. .161 - —
Decatur, inc. 4c. tax..gal. .19 - —
Des Moines, inc. 4c. tax.gal. .188 - —
Evansville, Ind., ex tax.gal. .147 - .157
Milwaukee, inc. 5c.tax.gal. .203 - —
Minneapolis-St. Paul, inc. 4c. tax..gal. .204 - —
Newark, ex tax.....gal. .13½- —
New York, ex tax.....gal. .12 - —
Omaha, ex tax.....gal. .144 - .154
Philadelphia, ex tax...gal. .12½- —
St. Louis, inc. 1c. tax.gal. .157 - —
Solvent, rubber, at refinery, East Coast, tanks..gal. .10 - —
Group 3, light, 120 l.b.p., 250 e.p., tanks..gal. .07⅝- .07⅞
standard, 180 l.b.p., 288 e.p., tanks, gal. .07⅝- .07⅞
Stoddard (CS 3-28), at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06⅞- .07⅝
tankwagon, Boston, ex tax gal. .12½- .13½
Chicago, inc. 4c. tax...gal. .155 - —
Decatur, inc. 4c. tax..gal. .18 - —
Des Moines, inc. 4c.tax.gal. .178 - —
Evansville, Ind., ex tax.gal. .135 - .145
Milwaukee, inc. 5c. tax, gal. .193 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .18 - —
Newark, ex tax.....gal. .11½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .11½- —
Omaha.....gal. .131 - .141
Philadelphia, ex tax...gal. .11½- —
St. Louis, inc. 1c. tax.gal. .146 - —
Tulsa, ex tax.....gal. .10 - .11
Thinner, at refinery:—
California, 34, 323 l.b.p., 390 e.p., low anilin, tanks f.o.b. Los Angeles....gal. .14 - —
Portland, Ore....gal. .15 - —
Richmond.....gal. .13½- —
Seattle, Wash....gal. .15½- —
44, 311 l.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore. gal. .10½- —
Richmond.....gal. .10 - —
Southern Calif....gal. .09½- —
56, 200 l.b.p., 300 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Portland, Ore.....gal. .12 - —
Richmond.....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks.gal. .09½- .10
47-49, tanks.....gal. .09½- .10
Group 3, tanks.....gal. .06⅝- .06⅞
tankwagon, tax included:—
Albany.....gal. .13 - —
Baltimore (100 gals.)..gal. .12½- .15½
25-99 gals.....gal. .13½- .15½
Boston.....gal. .12½- .13½
Bound Brook, North Amboy, N. J.....gal. .11½- .13½
Bridgeport, Conn. ....gal. .13 - —
Buffalo.....gal. .12½- —
Camden, N. J.....gal. .115 - .135
Chicago.....gal. .158 - —
Decatur, Ill.....gal. .18 - —
Des Moines.....gal. .178 - —
Evansville, Ind.....gal. .137 - .147
Milwaukee.....gal. .193 - —
Minneapolis-St. Paul..gal. .194 - —
Newark.....gal. .10½- .11
New York (200 gals.).gal. .11 - —
smaller lots.....gal. .11½- .12
Omaha.....gal. .131 - .141
Philadelphia.....gal. .115 - .135
Pittsburgh.....gal. .12 - .14
Providence.....gal. .12½- .13½
Rochester.....gal. .12 - .16
St. Louis.....gal. .147 - —
Syracuse.....gal. .14 - —
Trenton.....gal. .11½- .14
Wilmington, Del.....gal. .11½- .13½
Phenobarbital, bots., 5 lbs....lb. 4.35 - —
bots. or cns., spot or contract, 100 lbs..lb. 4.00 - —
cns., 25 lbs.....lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .14½- .15½
l.c.l., same basis.....lb. .15¼- .16¼
under 1,000 lbs.....lb. .16¼- .17¼
tanks, works.....lb. .13½- —
Phenolphthalein, USP, bbls.,dms. 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs. lb. .87 - .89
yellow, fib., dms., 2,000-lb. lots. lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetadehyde, bots.....lb. 2.25 - 2.50
Dimethylacetate, cns.....lb.14.50 -15.00
Phenylethylphenyl acetate, bots., lb.15.50 -16.00
Phenylhydrazine base, CP, bots. lb. 4.00 - —
Hydrochloride, CP, bots., works..lb. 4.00 - —
commercial, kgs., works....lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins,works.lb.20.00 -22.00
tech., tins, works.....lb.15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.85 - —
70% min., bulk, mines... long ton. 2.35 - —
72% min., bulk, mines..... long ton. 2.85 - —
75% basis, 74% min., bulk, mines..long ton. 3.85 - —
Tenn., 72%, bulk, mines.. long ton. 4.50 - —
75%, bulk, mines...long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
Yellow, cs.....lb. .24 - .30
Oxychloride, cyls.....lb. .15 - .18
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .18
Phthalic anhydride, dms., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Picbi leaves, bgs.....lb. .08 - .10
Pilocarpine hydrochloride, bots., vis..oz. 2.50 - 2.75
Nitrate, bots., vis.....oz. 2.40 - 2.65
Pimento, bgs.....lb. .14⅞- .15
Pinkroot, bls.....lb. .42 - .45
Pitch, Burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l.....ton.22.00 - —
Hardwood, 1-time, dm., c.l., dlvd. Akron..ton.23.75 -24.00
Linseed, dms.....lb. .04¾- .05¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 6.00 - 6.50

Papain—Putty

Plaster of paris (see Gypsum).
Pleurisy root, bls.....lb. .12 - .18
Podophyllin, dms.....lb. 3.90 - —
Poke root, bls.....lb. .06½- .07
Pomegranate bark, bgs.....lb. .18 - .19
Root bark, bgs.....lb. .40 - .41
Poppy flowers, red, bls.....lb. .40 - .42
Seed, Dutch, bgs.....lb. .09¼- .09½
Polish, bgs.....lb. .08½Nom.
Potash acetate, USP, bbls, 250 lbs..lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs.....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .18 - —
kgs., 100 lbs.....lb. .20 - —
gran., bbls., 250 lbs.....lb. .18 - —
kgs., 100 lbs.....lb. .20 - —
Bichromate, spot, c.l., works..lb. .08⅝- —
6 casks or 10 bbls., or over, works..lb. .08⅝- —
5 casks or 9 bbls. or less, works..lb. .09 - —
Binoxalate, dms.....lb. .23 - —
Bisulphate, kgs.....lb. .15½- .16
Bromide, U.S.P., gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06¼- —
l.c.l., same basis.....lb. .06⅝- —
aydrated, 83-85%, bbls., c.l., works—lb. .05½- —
l.c.l., same basis.....lb. .05⅝- —
liquid, dms., c.l., dlvd.....lb. .02⅞- —
l.c.l., 10 dms. or over..lb. .03¼- —
less than 10 dms....lb. .03½- —
tanks, dlvd.....lb. .02⅝- —
USP, gran., bbls., 325 lbs..lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l.....lb. .07¼- .07½
import, dms.....lb. .07 - .07½
liquid, 45% basis, dms....lb. .03½- .03⅝
tanks.....lb. .02⅞- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l.....lb. .06½- .06⅝
import, csks.....lb. .06¼- .06⅝
Chlorate, cryst., kgs.....lb. .09¼- .09½
gran., kgs.....lb. .12 - .13
powd., kgs.....lb. .08½- .08⅝
Chloride, tech., 98%, cryst. bgs., kgs..lb. .04 - .06
Chromate, kgs.....lb. .19 - .22
Citrate, USP, gran., bbls., 250 lbs..lb. .35 - —
kgs., 100 lbs.....lb. .36 - —
cns., 50 lbs.....lb. .37 - —
cns., 25 lbs.....lb. .39 - .40
Cyanide, cns., dms.....lb. .55 - .60
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.40 - —
Guaiacolsulphonate, fib., dms., 100 lbs..lb. 1.65 - —
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 110 lbs..lb. .80 - —
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bbls., bots., 5 lbs....lb. 3.17 - —
cns., 25 lbs.....lb. 3.05 - —
Iodide, bbls., 250 lbs.....lb. .93 - —
bots., or cns.....lb. 1.02 - 1.20
dms.....lb. .95 - .96
Kainit, 20% K_2O, bulk, c.i.f. ports..ton.12.75 - —

Prices for potash kainit, manure salt, muriate, sulphate and potash magnesia-sulphate are subject to discount according to time orders are placed and time of delivery. See fertilizer market report for particulars.

Manure salt, dom., run of mine, approx. 30% K_2O, bulk, c.i.f. ports, unit-ton. .58½- —
import., 30% K_2O, bulk, shipt. unit-ton. .58½- —
Metabisulphite, kgs.....lb. .13 - .15
Muriate, dom., all strengths, min. 50% K_2O, bulk... unit-ton. .53½- —
import, all strengths, min. 60% KCl, basis 50% K_2O, bulk, c.i.f. ports..unit-ton. .53½- —

Potash muriate prices in bags are $2 ton higher than bulk price.

Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Perchlorate, kgs., works....lb. .09 - .11
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .35 - .37
Yellow, bbls.....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs.lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs..lb. .13 - —
kgs., 100 lbs.....lb. .15 - —
powd., bbls., 350 lbs.....lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.i.f. ports..ton.38.00 - —
Vegetable, bulk, f.o.b. Balto.ton.19.97 Nom.
Xanthate, dms., c.l.....lb. .13 - —
l.c.l.....lb. .13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton.25.75 - —
Potash-titanium oxalate, kgs..lb. .33 - .35
Prickly ash bark, bls.....lb. .12 - .13
Berries, bls.....lb. .15 - .16
Prince's pine herb, bls.....lb. .22 - .23
Propane, tanks, G.3.....gal. .03 - .04¾
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .18 - .19
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works..lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03½- —
less than 3, works..lb. .04 - —
0, 0-½, 0-¾, and ½, bbls., 3 or over, works..lb. .04 - —
less than 3, works..lb. .04½- —
Ital.-grd., bgs., c.l., shipt. ex dock N.Y..ton.32.85 Nom.
l.c.l., 5-29 tons, ex whse. ton.37.70 - —
1,000-10,000 lbs., ex whse..ton.38.70 - —
2 bgs. to 1,000 lbs., ex whse..ton.40.70 - —
single bgs., ex whse.ton.45.70 - —
Pumpkin seed, bgs.....lb. .11 - .14
Purple lake (see Red).
Putty, com'l., dms., 1,000 lbs. 100 lbs. 2.90 - —
500-999 lbs.....100 lbs. 3.10 - —
100-499 lbs.....100 lbs. 3.25 - —
linseed oil, raw, dms., 1,000 lbs. 100 lbs. 4.65 - —
500-999 lbs.....100 lbs. 4.85 - —
100-499 lbs.....100 lbs. 5.00 - —

Putty—Rosemary Leaves

Putty, linseed oil, refined, dms., 1,000 lbs..100 lbs. 3.15- —
500-999 lbs.....100 lbs. 3.35 - —
100-499 lbs.....100 lbs. 3.50 - —
standard, dms., 1,000 lbs., 100 lbs. 3.65 - —
500-999 lbs.....100 lbs. 3.85 - —
100-499 lbs.....100 lbs. 4.00 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Seil test) 55 gal. dms. (incl.), frt. alld. E. of Rockies, standard brand..gal. 5.00 - 5.25
basis (30 to 1) 3.6% pyrethrins, 55 gal. dms. (incl.) frt. alld. E. of Rockies, standard brand, gal. 7.75 - 7.85
Flowers, coarse, grnd.(g.d.p.), Japan, bgs., frt. alld., 15 tons or over..lb. .18 - —
fine powd. Japan, bbls., ton lots, frt. alld..lb. .19 - —
Pyridin, denaturing, dms....gal. 1.55 - —
refd., 2° dms.....lb. .45 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib, dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyroxylin scrap, amber, cs., works..lb. .15 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works..lb. .16 - —
Pyroxylin scrap, dense white, cs., works..lb. .12 - —
gray, cs., works.....lb. .10 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia, chips, bls.....lb. .06 - .07
Quebracho extract, liquid, 35% tan., bbls., works..lb. .03½- —
tanks, works.....lb. .03 - —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04 - —
clarified, 64%, bgs., c.l., same basis..lb. .04¼- —
Queen of the meadow herb, bgs..lb. .06 - .07
Root, bgs.....lb. .06 - .07
Quercitron, extract, liquid, 51°, bbls..lb. .06 - .08
solid, dms.....lb. .10 - .12
Quicksilver, dom., flasks (76 lbs. net), dlvd., N. Y..flasks.91.00 -92.00
Quince seed, bgs.....lb. .75 - 1.50
Quinidine, cryst., small cns...oz. .96 - —
large, cns.....oz. .98 - —
powd., precip., cans.....oz. .91 - —
Sulphate, cns.....oz. .67 - —
Quinine, 100 ozs., cns.....oz. .74 - —
Acetate, cns.....oz. .98 - —
Arsenate, cns.....oz. .98 - —
Arsenite, cns.....oz. 1.00 - —
Bisulphate, cns.....oz. .53 - —
Citrate, cns.....oz. .71 - —
Dihydrobromide, bots.....oz. .74 - —
Dihydrochloride, bots.....oz. .74 - —
Ethylcarbonate, cns.....oz. .74 - —
Ferrocyanide, cns.....oz. 1.00 - —
Formate, cns.....oz. .93 - —
Glycerophosphate, cns.....oz. 1.13 - —
Hydrochloride, cns.....oz. .66½- —
Hydrochlorosulphate, cns....oz. .74 - —
Hydroiodide, cns.....oz. .98 - —
Hypophosphite, cns.....oz. .98 - —
Phosphate, cns.....oz. .81 - —
Salicylate, cns.....oz. .72 - —
Sulphate, U.S.P. X, cns.....oz. .53 - —
U.S.P. XI, cns.....oz. .59½- —
Sulphocarbolate, cns.....oz. .96 - —
Tannate, cns.....oz. .57 - —
Tartrate, cns.....oz. .96 - —
Valerate, cns.....oz. .92 - —
Quinine-urea hydrochloride cns.oz. .74 - —

R

R salt, bbls.....lb. .52 - .55
Rapeseed, Belgian, bgs.....lb. .06 - .06½
Dutch, bgs.....lb. .06¼- .06¾
Japanese, bgs.....lb. .06 - .06½
Raspberries, dried, bbls.....lb. .75 - .80
Red, alizarin lake bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - —
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Amaranth (see Red, maroon, lake)
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis.lb. .95 - —
light shade, bbls., ton lots, same basis..lb. .70 - —
smaller lots, same basis, lb. .75 - —
kgs., ton lots, same basis, lb. .75 - —
smaller lots, same basis, lb. .80 - —
light-medium shade, bbls., ton-lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton-lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
maroon shade, bbls., ton lots, same basis..lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
kgs., ton lots, same basis, lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
medium shade, kgs., ton lots,, same basis..lb. .85 - —
smaller lots, same basis, lb. .90 - —
selenide, bbls., dark works.lb. 2.75 - —
light, works.....lb. 2.25 - —
Orange, bbls., ton lots, works..lb. 1.50 - —
smaller lots, works....lb. 1.75 - —
Carmine, 40, cns., 500 lbs....lb. 4.00 - —
100 lbs. .....lb. 4.15 - —
11 lbs. .....lb. 4.40 - 4.50
Crocus martis (see Red, purple oxide).
Eosin toner, blue shade, bbls. lb. 1.55 - —
yellow shade, bbls.....lb. 1.40 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07¾- —
Iron oxide (see Red, oxide).
Lake C toner, bbls., same basis alizarin lake, contracts.lb. 1.25 - —
open order.....lb. 1.30 - —
Lithol toner, bbls., same basis alizarin lake contracts..lb. .75 - —
open order .....lb. .80 - —
Lithol-rubin toner, bbls., same basis alizarin lake..lb. 1.50 - —
Maroon lake, 25%, kgs., same basis alizarin lake, contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom.... bbls. 1.59 - 1.60
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order..lb. .80 - —
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04½- —
ex whse., Chicago, St. Louis..lb. .05⅞- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phosphotungstic rhodamine Y, bbls..lb. 3.50 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Rose lake, bbls.....lb. .20 - .30
Pink, bbls.....lb. .15 - .20
Scarlet ink toner, kgs., same basis alizarin lake..lb. .45 - —
Lake, kgs.,same basis alizarin lake..lb. .25 - .30
Spanish oxide, bbls., dlvd...lb. .03⅝ Nom.
Toluidin toner, kgs., same basis alizarin lakes..lb. 1.35 - —
Tuscan, 1, bbls., f.o.b. N. Y., E. St. Louis..lb. .25½- —
2, bbls., same basis.....lb. .30½- —
3, bbls., same basis.....lb. .23½- —
4, bbls., same basis.....lb. .33½- —
5, bbls., same basis.....lb. .24 - —
6, bbls., same basis.....lb. .24 - —
7, bbls., same basis.....lb. .24 - —
8, bbls., same basis.....lb. .23 - —
9, bbls., same basis.....lb. .31½- —
10, bbls., same basis.....lb. .18⅝- —
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Red, vermilion,Amer., bbls., same basis alizarin lake..lb. .15 - —
English quicksilver, bbls., 500 lbs..lb. 1.75 - —
smaller lots.....lb. 1.76 - 1.84
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib. dms..lb. 1.84 - 1.86
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works....lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .08½- .10
Rhodinol, bots.....lb. 5.75 -15.00
Rhubarb root, cs.....lb. .60 - .65
powd., bbls., kgs.....lb. .65 - .70
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .15 - —
smaller lots.....lb. .15½- —
powd., bbls., 5,000 lbs., 1 shipm't..lb. .16 - —
smaller lots.....lb. .16½- —
Rose flowers, pale, bls.....lb. .25 - .30
Red, bls.....lb. 2.00 - 2.10
Water, triple.....djn. 4.75 - 5.00
Rosemary flowers, bls.....lb. .35 - .40
Leaves, bls.....lb. .05½- .06

SIGN OF THE TIMES
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Everywhere there are signs that point to business on a bigger scale. Producers and distributors are confidently going ahead with plans for expansion. Activity is in the air. Are you equipped with a reliable, cooperative source of supply for chemicals, oils and pigments? Witco is prepared to meet your requirements with a comprehensive variety of products and experienced technical counsel in all matters pertaining to their use. We invite your investigation of the following:
WITCO CARBON BLACKS are made to meet individual requirements and to satisfy the most exacting demands for quality.
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BUY DIRECT AND PROFIT DIRECTLY

Resin, gum, B, bbls., ex dock..280 lbs. 8.75 - —
D, bbls.....280 lbs. 8.75 - —
E, bbls.....280 lbs. 8.75 - —
F, bbls.....280 lbs. 9.05 - —
G, bbls.....280 lbs. 9.05 - —
H, bbls.....280 lbs. 9.05 - —
I, bbls.....280 lbs. 9.10 - —
J, bbls.....280 lbs. 9.15 - —
M, bbls.....280 lbs. 9.17½- —
N, bbls.....280 lbs. 9.25 - —
W. G., bbls.....280 lbs. 9.45 - —
W. W., bbls.....280 lbs. 9.90 - —
X, bbls.....280 lbs. 9.90 - —
Wood, New York, F. F., bbls., 280 lbs. 8.80 - 9.75
K, bbls.....280 lbs. 9.20 -10.15
M, bbls.....280 lbs. 9.30 -10.25
N, bbls.....280 lbs. 9.95 -10.90
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.35.00 - —
l.c.l., ex whse.....ton.50.00 - —
Import., lump, bbls.....lb. .12 - —
powd., bbls.....lb. .08½- .10
Rue, bls.....lb. .21 - .23

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.70 - —
cns., 25 lbs.....lb. 1.73 - 2.05
Safflower, bls.....lb. .25 - .26
Saffron, Mexican, bls.....lb. .35 - .40
Spanish, tins.....lb.19.00 -20.00
Safrol, cns.....lb. .50 - .58
dms.....lb. .47 - .55
Sage, Dalmatian, stemless....lb. .06 - .06½
garden, bls.....lb. .06½- .06¾
Sago flour, bgs.....lb. .03¼- .04¼
Salicin, bots., 5 lbs.....lb. 5.00 - —
cns., 25 lbs.....lb. 4.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton.11.80 -12.80
l.c.l., bgs., dlvd., N. Y.ton.14.00 -14.50
vacuum, common, fine, bgs.,c.l., dlvd., N. Y..ton.14.80 - —
l.c.l., dlvd. N. Y.....ton.15.50 - —
Saltcake, grd., dom., bbls., works, ton.19.00 -23.00
bulk, works.....ton.12.00 -16.00
import, bulk, c.l.f.....ton.12.00 -12.50
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 7.00 - 7.75
1-9 tons.....100 lbs. 7.40 - 7.90
less than ton lots..100 lbs. 7.40 - 8.15
gran., bbls., 10-20 tons.100 lbs. 6.00 - —
1-9 tons.....100 lbs. 6.15 - —
less than ton lots..100 lbs. 6.40 - —
powd., bbls., 10-20 tons.100 lbs. 7.00 - —
1-9 tons.....100 lbs. 7.15 - —
less than ton lots..100 lbs. 7.40 - —
Santonin, cryst., cns.....lb.25.00 -26.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots., 5 lbs.....lb. 1.65 - —
cns., 25 lbs.....lb. 1.50 - —
Sarsaparilla root, Honduras, bls.lb. .45 - .50
Mexican, bls.....lb. .19 - .20
Sassafras bark, ord., bls.....lb. .12 - .13
select bls.....lb. .22 - .23
Savory, bbls.....lb. .08 - .08½
Saw palmetto berries, bgs.....lb. .30 - .32
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .12⅝- —
smaller lots .....lb. .13⅛- —
kegs, 5,000 lbs., 1 shipm't.lb. .13⅛- —
smaller lots .....lb. .13⅝- —
Senega root, bls.....lb. .60 - .62
Senna leaves, Alexandria, bls.lb. .10 - .11
Tinnevelly, No. 1, bls.....lb. .10 - .11
2, bls.....lb. .07 - .08
3, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .09 - .10
siftings, bls.....lb. .10 - .11
Pods, bls.....lb. .06 - .07
Serpentaria root, bls.....lb. .80 - .85
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .17½- .18
dlvd. Boston.....lb .18 - .18½
Chicago .....lb. .18½- .19
Pacific Coast .....lb. .19½- .20
refd., bbls., f.o.b. N. Y....lb. .24 - .25
dlvd. Boston.....lb. .19 - .19½
Chicago .....lb. .19½- .20
Pacific Coast.....lb. .20½- .21
Garnet, bgs.....lb. .14 - .15
Orange, D.C., VSO., Diamond, cases..lb. .22 - .23
superfine, bgs., f.o.b. Bost., N. Y..lb. .13½- .14
dlvd. Chicago.....lb. .14½- .15
Pacific Coast.....lb. .16½- .17
T N., bgs., f.o.b. Bost., N.Y., lb. .12½- .13
dlvd., Chicago.....lb. .13½- .14
Pacific Coast.....lb. .15½- .16
Shellac varnish, orange, 5-lb. cut, bbls..lb. .90 - 1.06
4½-lb. cut, bbls.....gal. .85 - .95
4-lb. cut, bbls.....gal. .80 - .90
white, 5-lb. cut, bbls....gal. 1.05 - 1.15
4½-lb. cut, bbls.....gal. 1.00 - 1.10
4-lb. cut, bbls.....gal. .95 - 1.05
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., 2½ tons, works.ton.19.50 - —
smaller lots, works.ton.21.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l., 2½ tons, works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons, works.ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works..ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .44¾- —
Govt. purchase.....oz. .7757- —
Nitrate, vis.....oz. .32⅞- .34⅞
Nucleinate, bots., cns., 480 ozs., oz. .30 - .31
Proteinate, bots., cns., 480 ozs., oz. .29 - .30
Simarubra bark, bls.....lb. .28 - .30
Skatol, bots.....lb.76.00 -80.00
Skullcap, Eastern, bls.....lb. .24 - .25
Western, bls. .....lb. .17 - .18
Skunk cabbage root, bls.....lb. .15 - .16
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .09 - .10
Smalt, black, extra velvet, ctns. lb. .05 - .08
Blue, cts.....lb. .07 - .08½
Snakeroot, Canad., bls.....lb. .24 - .26
Soapbark, bls.....lb. .07 - .08
crushed, bls., bbls.....lb. 11 - .12
cut, bls., bbls.....lb. .10 - .11
powd., bbls.....lb. .13 - .14

Soda, abletate, dms.....lb. .13 - —
Acetate, anhyd., dms.....lb. .08¼- —
flake, gran., powd., 60%, dms..lb. .04¼- .05
Alginate, dms.....lb. .69 - —
Antimoniate, bbls.....lb. .14¾- .15¼
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms., works.....lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .13
l.c.l., dms., works.....lb. .09½- .13½
liquid, dms., works.....gal. .30 - .33
Arsenite, powd., bbls.....lb. .13 - .14
Soda arsenite, dry, gray prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.03 - —
2 .....100 lbs. 2.18 - —
3 .....100 lbs. 2.43 - —
4 .....100 lbs. 2.83 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.25 - —
2 .....100 lbs. 2.40 - —
3 .....100 lbs. 2.65 - —
4 .....10 lbs. 3.05 - —
bulk, c.l., works.....100 lbs. .95 - —
extra light, 58%, bgs., c.l. 100 lbs. 1.08 - —
l.c.l., Zone 1.....100 lbs. 1.98 - —
2 .....100 lbs. 2.13 - —
3 .....100 lbs. 2.38 - —
4 .....100 lbs. 2.78 - —
Soda, ash, extra light, 58%, bbls., c.l..100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 1.98 - —
2 .....100 lbs. 2.13 - —
3 .....100 lbs. 2.38 - —
4 .....100 lbs. 2.78 - —
bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.25 - —
2 .....100 lbs. 2.40 - —
3 .....100 lbs. 2.65 - —
4 .....100 lbs. 3.05 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash l.c.l. prices are per 100 lbs. and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. For ex warehouse, deduct 15c. per 100 lbs. from the above prices; out of town shipments, use ex warehouse prices as f.o.b. cars at warehouse stock point. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N.H., Vt.), special local prices apply for shipts, to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Rosin—Soda Bisulphite

Soda, benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 lbs., or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms., 4,000 lbs. or more.lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, gran., bbls., c.l., works..100 lbs. 2.15 - —
powd., bbls., c.l., works.. 100 lbs. 1.75 - —
l.c.l., dlvd. N. Y...100 lbs. 2.39 - —
kgs., c.l.....100 lbs. 2.00 - —
l.c.l., dlvd. N. Y...100 lbs. 2.64 - —
Bichromate, spot, c.l., works lb. .06⅝- —
6 cks. or 10 bbls. or over, works..lb. .06¾- —
5 cks. or 9 bbls. or less, works..lb. .07 - —
Bifluoride, bbls.....lb. .12 - —
Bisulphate (see Niter cake).
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.25 - 3.35
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works.100 lbs. 1.55 - —
33 deg., bbls., c.l., works. 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 deg., bbls., c.l., works. 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg.,bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —

CHEMISTRY
THE KEYSTONE OF INDUSTRY
Kryolith
TRADE MARK
NATURAL GREENLAND CRYOLITE

KRYOLITH, a product of Pennsylvania Salt Manufacturing Company, is the only genuine, natural Greenland cryolite imported, refined, and sold in North America. Used in the manufacture of Frit for enamel making and for other industrial purposes, Kryolith offers many advantages.

In connection with the use of Kryolith, as well as all other products made by this Company, the services of our technical staff are always available.

A FEW OF THE PENNSYLVANIA SALT MANUFACTURING COMPANY PRODUCTS

- Caustic Soda
- Soda Ash
- Alumina
- Sodium orthosilicate, Anhydrous
- Carbon tetrachloride and Carbon bisulphide

TRADE MARK
PENNSYLVANIA SALT MANUFACTURING COMPANY · Est. 1850
WIDENER BLDG., PHILADELPHIA, PA.
OFFICES: NEW YORK · CHICAGO · ST. LOUIS · PITTSBURGH · TACOMA · WYANDOTTE
PENNSYLVANIA SALT Chemicals

Soda Bromide—Sulphur

Soda, bromide, U.S.P., gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, bots., 5 lbs.....lb. 6.62 - —
jars, 25 lbs.....lb. 6.50 - —
Carbonate (see Soda ash, soda menohydrated soda, sal)
Caustic, flake, 76% 1, grd., powd., ammon. process, bbls., c.l., works..100 lbs. 2.70 - —
dms., c.l., works...100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.45 - 4.80
2 .....100 lbs. 3.60 - 4.95
3 .....100 lbs. 3.85 - 5.20
4 .....100 lbs. 4.25 - 5.00
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49% buyer's tanks, tanks, works..100 lbs. 1.95 - —
seller's tanks, works..... 100 lbs. 1.97½- —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works..... 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms.,c.l.,works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.05 - —
2 .....100 lbs. 3.20 - —
3 .....100 lbs. 3.45 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The same zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- .08
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Soda, citrate, U.S.P. VIII, gran., bbls..225 lbs. .21 - —
cns. 50 lbs.....lb. .23 - —
25 lbs.....lb. .25 - .26
kgs., 100 lbs.....lb. .22 - —
USP X, gran., bbls., 250 lbs. lb. .27½- —
cns. 50 lbs.....lb. .29½- —
25 lbs.....lb. .31½- .32½
kgs., 100 lbs.....lb. .28 - —
powd., bbls., 250 lbs.....lb. .28 - —
cns., 50 lbs.....lb. .30 - —
25 lbs.....lb. .32 - .33
kgs., 100 lbs.....lb. .29 - —
Cyanide, 96-98%, dom., dms..lb. .16½- .17¼
import., cs.....lb. .16¼- .17
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07½- —
5-9, same basis.....lb. .08 - —
1-4, same basis.....lb. .08¼- —
95%, bbls., c.l., same basis. lb. .07½- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9 same basis.....lb. .08¼- —
1-4, same basis.....lb. .08½- —
Soda fluoride prices at Los Angeles are f.a.s. Phila.
Glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
powd., bbls., 1,000-lb. lots. lb. 1.05 - —
smaller lots .....lb. 1.20 - —
cns., 25 lbs. .....lb. 1.45 - —
Hydrosulphite, bbls.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 160 lbs..lb. .23 - .24
Hypophosphite, N.F., cns., 100 lbs..lb. .67 - —
Hyposulphite, cryst., large, bbls., 100 lbs. 2.40 - 2.65
pea, bbls. .....100 lbs. 2.50 - 3.05
gran., bbls. .....100 lbs. 2.75 - 3.30
Soda, iodate, jars.....lb. 5.02 - 5.07
Iodide, jars .....lb. 1.90 - 1.95
Mandelate, bots., 5 lbs.....lb. 3.30 - —
jars, 25 lbs. .....lb. 3.20 - —
Metanilate, kgs .....lb. .41 Nom.
Metasilicate, cryst., bbls., c.l., gran., bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., dlvd.....100 lbs. 2.60 - 2.80
Molybdate, tech., anhyd., kgs., lb. No prices.
cryst., kgs.....lb. No prices.
Monohydrated, bbls.....100 lbs. 2.00 - —
works .....100 lbs. 2.30 - —
Naphthenate, bbls.....lb. .19 - —
Naphthionate, bbls.....lb. .52 - .54
Nitrate, crude, c.l., 100-lb. bgs., Sept.-June dlvy, f.o.b. cars producing point or ports, rail or boat shipment..ton. 29.00 - —
200-lb. bgs., same basis, ton. 28.30 - —
bulk, same basis.....ton. 27.00 - —
rfd., gran., bbls., 25..100 lbs. 2.25 - —
5-24 .....100 lbs. 2.40 - —
1-4 .....100 lbs. 2.65 - —
powd., bbls., ton lots....lb. .05⅞- —
smaller lots .....lb .06¼- —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .07 - —
c.l., West Coast, f.o.b. f.o.b. ports..lb. .08¼- —
l.c.l. .....lb. .08½- .11¼
Soda nitrite l.c.l. price range represents delivery at various points.
Oxalate, neut., bbls.....lb. .09 - —
kgs .....lb. .11 - —
Perborate, NF, bbls., c.l., works..lb. .14¾- —
l.c.l. works.....lb. .15¼- —
Phosphate, dibasic, tech., bgs., , c.l., works..100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - —
bbls., c.l., works...100 lbs. 1.90 - —
l.c.l., works.....100 lbs. 2.10 - —
monobasic, anhyd., bbls., c.l. 100 lbs. 7.51 - —
l.c.l. .....100 lbs. 8.35 - —
Soda, phosphate, tribasic, bgs., c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.45 - —
kgs., c.l., works....100 lbs. 2.55 - —
l.c.l., works.....100 lbs. 2.95 - —
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., works, lb. .10 - .11½
Pyrophosphate, anhyd., bbls.lb. .10 - —
cryst., bbls.....lb. .09½- —
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y....100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .47 - —
Sesquisilicate, bbls., c.l., works, 100 lbs. 3.00 - —
20 dms. and up, delvd.N.Y.C. 100 lbs. 3.65 - —
5-19 dms.....100 lbs. 4.10 - —
1-4 dms.....100 lbs. 4.30 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
52° dms., c.l., works..100 lbs. 1.25 - —
l.c.l., 5 or more, works, 100 lbs. 1.60 - —
1-4, works.....100 lbs. 1.75 - —
Silicofluoride, dom., bbls....lb. .05¾- .06
import, bbls.....lb. .05¾- .06
Stannate, dms.....lb. .38 - .41
Stearate, lump, powd., bbls., works..lb. .24 - —
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 2.75 - —
less than 5 tons, dlvd. 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.50 - —
less than 5 tons, dlvd. 100 lbs. 3.75 - —
Sulphite, cryst., bgs., works... 100 lbs. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4, ...100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite)
Tungstate, CP., kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent naphtha, high-flash, dms., works, frt. equald. gal. .36 - —
tanks, same basis.....gal. .31 - —
water-white, dms., works.gal. .35 - —
tanks, E. of Omaha, frt. alld..gal. .30 - —
W. of Omaha, works.gal. .30 - —
Sorbitol, com'l, syrup, dms., basis sorbitol cont., works. lb. .25 - —
Sparteine sulphate, cns.....oz. 1.10 - 1.15
Spearmint leaves, bls.....lb. .20 - .22
Spikenard root, bls.....lb. .15 - .17
Spruce extract, bbls., works...lb. .01½- —
tanks, works.....lb. .01 - —
powd., bgs.....lb. .04¼- —
super, bbls., works.....lb. .01⅞- —
tanks, works.....lb. .01⅝- —
Squawvine leaves, bls.....lb. .16 - .17
Squill, red, bls.....lb. .14 - .15
White, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .12 - .13
St. Ignatius beans, bgs.....lb. .31 - .32
St. John's bread, bls.....lb. .08½- .09
Starch, corn, pearl, bgs..100 lbs. 3.78 - 3.98
powd., bgs.....lb. 3.88 - 4.08
Iodide, bots.....lb. 1.87 - —
Potato, dom., bgs.....lb. .05½ Nom.
import, bgs.....lb. .05½ Nom.
Rice, bbls.....lb. .07¼ Nom.
Wheat, thick boil, bbls.....lb. .07 Nom.
Staveacre seed, bgs.....lb. .25 - .26
Stearin, oleo, bbls.....lb. .08½- .09
Stillingia root, bls.....lb. .09½- .10
Stoneroot, bls.....lb. .06½- .07
Storax, cs.....lb. .33 - .50
Stramonium leaves, bls.....lb. .11 - .12
Seed, bgs.....lb. .09 - .10
Strontium bromide, flb, dms..lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, pure, bbls.....lb. .30 - .31
Iodide, jars, 25 lbs.....lb. 2.70 - —
bots., 5 lbs.....lb. 2.76 - —
Nitrate, dom., bbls., c.l., works..lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-4 bbls. and over.....lb. .08¾- —
import. bbls.....lb. .08½- .09
Strophanthus seed, Kombe,bgs.lb. 1.45 - 1.50
Strychnine, cryst., cns.....oz. .48 - .51
powd., cns.....oz. .38 - .41
Acetate, cns.....oz. .64 - —
Arsenate, cns.....oz. .66 - —
Arsenite, cns..... .oz. .64 - —
Glycerophosphate, cns.....oz. .65 - —
Hydrochloride, cns.....oz. .64 - —
Hydrophosphite, cns.....oz. .75 - —
Nitrate, cns.....oz. .58 - —
Phosphate, cryst., cns.....oz. .65 - —
Sulphate, cryst., cns.....oz. .42 - .45
powd., cns.....oz. .52 - .55
Styralyl acetate, bots.....lb. 6.75 - 7.00
Sucrose octa - acetate, denat. grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.10
Milk, bbls, c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb. bots.....lb. 2.20 - —
flb., dms., 1,000 lbs., 1 delivery. lb. 1.75 - —
100 lbs.....lb. 1.80 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk, 1,000 tons, mines, contracts, long ton. 18.00 - —
c.l., spot, nearby, long ton. 21.00 - —
ex vessel, Balto., N. Y., Phila., Southern ports, long ton. 22.00 -25.00
Bost., Portland..long ton. 22.50 -25.50
flowers, bgs., c.l., works.100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.25 - —
l.c.l., bgs., works..100 lbs. 3.35 - 3.75
bbls, wks.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works..100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works..100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, com'l., bgs., c.l., works, 100 lbs. 1.65 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.35
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works....100 lbs. 3.20 - —
heavy, bgs., c.l., works, 100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65

Weighing a bale of cotton linters in the warehouse of Houston's Fidelity Products Company.

TEXAS is the richest province in King Cotton's Empire . . . .

Year-in and year-out, Texas produces about 30% of the United States cotton crop. Most of this cotton, approximately 90% annually, is for various reasons sold in foreign markets, supporting a lively traffic between the Texas ports and consuming centers in all parts of the world. The movement from farm to shipside takes place inside a few short months of each year, so that the harvest is invariably a powerful stimulant to Texas trade.

It is the more powerful because the cotton dollar is a cash dollar. The farmer sells for cash, pays up his bills, taxes, notes; and thence on, each additional transaction is similarly handled. By the time the season ends, some part of the cash cotton dollar has found its way into the pockets of nearly every Texan.

As it affects the purchasing power of the Texas market, Texas' cotton production is, then, of prime importance to the industrialist. It is almost equally important for its by-product, cotton seed. Until comparatively recent times, the seed were disposed of as a nuisance; today, they are a crop of tremendous value. They supply the stockman and the dairy farmer with important feeds, the housewife with shortening and salad oils, the manufacturer with one of the finest raw sources of cellulose—cotton linters.

The seed are, for the most part, crushed in Texas. A major percentage of the feeds are used, and a heavy percentage of the oil is refined, within the state. Texas cottonseed support an already thriving industry.

But only an insignificant percentage of Texas linters is used at home. And this is strange, for cotton linters, considered in combination with Texas' other resources of materials, transportation, markets, climate and fuel*, offer a real inducement to industry. About 24½% (1933-36 average) of the United States production of linters comes from Texas, and these can be shipped to the industrially developing coast country at freight rates a half to a third less than to other consuming centers.

The Texas coast country and its industrial resources deserve your full investigation. A variety of industries have already taken advantage of its opportunities, and these point the way for many others. To assist you in your investigation of the Texas coast, we maintain an industrial survey department, which will be glad to prepare for you, without cost or obligation, a complete, authoritative survey of the coast country, individualized to your company's needs. Your request for this service will be kept in strictest confidence. Address Houston Pipe Line Company, Petroleum Building, Houston, Texas.

* On the Houston Pipe Line Company's 650-mile system of natural gas pipe lines are industries using such Texas resources as timber, salt, cattle, cotton and cottonseed, oil and its by-products, sulphur, lime, fuller's earth, and many another.

HOUSTON PIPE LINE CO.
Subsidiary of Houston Oil Company of Texas
GEO. A. HILL, JR., President
Wholesalers of Natural GAS

Sulphur, rfd., light, bgs., c.l., works..100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works..100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.30 - —
l.c.l., bbls., works.100 lbs. 2.15 - —
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
Chloride, 55-gal. drms., c.l...lb. .03 - —
l.c.l., drms., works.....lb. .04 - —
10-gal. drms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works .....lb. .04 - .05
refrigeration, cyls., works.lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide bots., jars.....lb. 3.80 - 3.85
Sumac, grd., Silician, bls....ton.60.00 - —
leaf, bales.....ton.65.00 - —
Extract, 42°, bbls.....lb. .05¼- .06¼
51°, bbls.....lb. .06½- .08½
stainless, bbls.....lb. .08½- .09¼
Sunflower seed, Calif., large, bgs., lb. .06 - .06½
medium, bgs.....lb. .05½- .06
poultry, bgs.....lb. .05 - .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 9.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.50 - —
triple, 44-45%, a.p.a. bulk, f.o.b. Balto..unit-ton. .85 - —

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N.Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills. ton.14.00 - —
l.c.l., mills.....ton.16.00 - —
96.98%, 325 mesh, bgs., c.l., mills..ton.15.00 - —
l.c.l., mills.....ton.17.00 - —
98-99¼%, 325 mesh, bgs., c.l., mills..ton.15.25 - —
l.c.l., mills.....ton.17.25 - —
99.85-99.95% 325 mesh, bgs., c.l., mills..ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, alum-magn. type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.00 - —
Vermont, bgs., c.l., mills.ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
import, Canad., bgs., c.l., dlvd..ton.28.00 - —
l.c.l., dlvd.....ton.28.50 - —
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -32.50
Italian, 1, bgs., ex dock, arrival..ton.65.00 -67.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls...lb. .08¼ Nom.
extra, loose, works.....lb. .07⅞- —
special, loose, works.....lb. .07¼- —
sulphonated 35% (24% fat), dms., c.l..lb. .07 - —
l.c.l. .....lb. .07½- —
50% (43% fat), dms., c.l..lb. .07½- —
l.c.l. .....lb. .08 - —
50% (48% fat), dms., c.l..lb. .08 - —
l.c.l. .....lb. .08¼- —
Tamarinds, W. I., bbls.....lb. .06 - .06½
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-12% ammon., 15-20% b.p.l., bulk.....unit-ton. 3.40 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk..... unit-ton. 3.25 & .10
fertilizer grade, 10-11% ammon., 15-20% b.p.l., bulk, Chicago...unit-ton. 2.85 & .10
high-grade feeding, bulk, Chicago..unit-ton. 3.00 & .10
import., S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, shipt. unit-ton. 3.65 & .10
Tansy leaves, bls.....lb. .18 - .20
Tapioca flour, bgs.....lb. .03¼- .03¼
Tar acid oil, 15%, dms., c.l., works..gal. .22½- —
l.c.l., same basis.....gal. .25½- —
25%, dms., c.l., works....gal. .26½- —
l.c.l., same basis.....gal. .29½- —
Pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
dlvd. ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tartar emetic tech., fine gran., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
powd., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
USP, powd., bbls.....lb. .32 - .32½
Terebene, cns.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .80 - 1.00
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .26 - —
dms. .....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l..lb. .14¾- —
contracts .....lb. .13¾- —
tanks .....lb. .14 - —
contracts .....lb. .13 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms.,works.lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech., dms.....lb. .10½- —
Tetralin, dms.....lb. .12 - —
Thallium sulphate, 99% pure, dms. works..lb. 7.25 - 7.50
Theobromine, cns.....lb. 1.85 - 1.95
Sodiosalicylate, cns.....lb. 1.65 - 1.75
Thiocarbanilide, dms.....lb. .20 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .13 - .13½
Thymol, bots., 100 lbs.....lb. 1.65 - —
smaller lots.....lb. 1.70 - 1.95
Iodide, kgs., 50 lbs.....lb. 3.15 - 3.20
25 lbs.....lb. 3.25 - 3.30
Timbo root, powd., imp't., 5% rotenone, bbls., ex-dock, approved assay, 15 tons lb. .26 - —
5 tons, same bases....lb. .27 - —
4% rotenone prices 5c. per lb., less.
Tin, crystals, bbls., kgs.....lb. .43 - .43½
Metal, Straits.....lb. .59⅝- —
Oxide, bbls.....lb. .60 - .62
Tetrachloride, anhyd., bbls..lb. .30 - —
Titanium, dioxide, bgs., c.l. (20 tons), E. frt. alld..lb. .16 - —
Pac. cst., f.o.b. terminals, lb. .16 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16½- —
Pac. cst., ex whse...lb. .16½- —
50-999 lbs., E. dlvd.....lb. .16¾- —
Pac. cst., ex whse....lb. .16¾- —
under 50 lbs., E. dlvd..lb. .19 - —
Pac. cst., ex whse....lb. .19 - —
Titanium, dioxide, bbls., c.l., (20 tons) E., frt. alld..lb. .16½- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16¾- —
50-999 lbs., E. dlvd.....lb. .17 - —
pigment, barium, calcium, or magnesium base, bgs., c.l., E. frt. alld.....lb. .05⅞- —
Pac. cst., f.o.b. terminal, lb. .05⅞- —
l.c.l., E. dlvd.....lb. .06½- —
Pac. cst., ex whse..lb. .06¼- —
under 50 lbs., E. dlvd.lb. .06⅞- —
bbls., c.l., E., frt. alld...lb. .06½- —
l.c.l., E. dlvd.....lb. .06⅝- —
Tolidin base, kgs.....lb. .88 - .90
distilled, kgs.....lb. .95 - 1.00
Tolu, balsam, cns.....lb. .48 - .50
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
W. of Omaha, works....gal. .30 - —
Tonga vine, NF, bls.....lb. .28 - .30
Tonka beans, Angostura, cks..lb. 2.50 - 2.60
Triacetin, dms.....lb. .36 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l. works.....lb. .80 - —
Trichloroethylene, dms., c.l., works, frt. alld. E. of Rockies..lb. .089 - —
W. of Rockies.....lb. .099 - —
l.c.l., works, frt. alld., E. of Rockies..lb. .094- —
W. of Rockies.....lb. .104 - —
Tricresyl phosphate, CP, cns., dlvd..lb. .42 - .53
dms., c.l., dlvd.....lb. .36 - —
500 lbs., dlvd.....lb. .39 - —
tech., 1, cn., dlvd.....lb. .30 - .41
dms., c.l., dlvd.....lb. .26½- —
500 lbs., dlvd.....lb. .27 - —
2, cns., dlvd.....lb. .28 - .39
dms., c.l., dlvd.....lb. .24½- —
500 lbs., dlvd.....lb. .25 - —
Triethanolamine, dms., c.l., works, lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Triphenyl phosphate, dms.....lb. .34 - .38
Tripoli, air-floated, bgs., c.l., works..ton.25.00 - —
l.c.l., ex whse., N.Y....ton.40.00 - —
1 ton. works.....ton.30.00 - —
1 bg., works.....bag. 4.00 - —
double-grd., bgs., c.l. works.. ton.17.00 - —
l.c.l., 1 ton, works.....ton.22.50 - —
1 bg., works.....bag. 3.50 - —
once-grd., bgs., c.l., works..ton.15.00 - —
l.c.l., 1 ton, works.....ton.20.00 - —
1 bg., works.....bag. 3.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 98%, dms., lb. No prices
99%, dms.....lb. No prices
Oxide, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .05½- .06
Madras, bgs.....lb. .06½- .07
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .36 - —
l.c.l., 10, ex dock....gal. .38 - —
5, ex dock.....gal. .40 - —
wood, dest.-dist., dms., c.l., dlvd. E. cities, ports...gal. .36 - —
l.c.l., same basis....gal. .38 - —
tanks, dlvd. E. cities..gal. .33 - —
steam-dist., dms., c.l., dlvd.gal. .35 - —
l.c.l., dlvd.....gal. .38 - —
tanks, dlvd.....gal. .30 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root.)
Uranium oxide, kgs.....lb. 1.50 - —
Urea, dom., 46 + % N, bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
import, 46% N. bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse.101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl. Gulf ports. NH_3 unit. No prices.
Uva ursi leaves, bls.....lb. .14 - .15

V

Valerian root bls.....lb. .09 - .10
Valonia, beards, bgs., shipt..ton.49.00 - —
Cups, bgs., shipt.....ton.32.50 -34.50
Vanila beans, Bourbon, tins...lb. 4.25 - 4.50
Mexican, tins.....lb. 4.40 - 4.75
cut, tins.....lb. 4.25 - 4.50
South American, tins.....lb. 4.25 - 4.50
Vanillin, ex eugenol, 25-lb. tins, 2,000 lbs. or more..lb. 3.65 - —
1,000 lbs. or more.....lb. 3.70 - —
900 lbs. or less.....lb. 3.75 - —
Vanillin, ex eugenol, 5-lb. tins, 2,000 lbs. or more..lb. 3.75 - —
1,000 lbs. or more.....lb. 3.80 - —
900 lbs. or less.....lb. 3.85 - —
1-lb. tins, 2,000 lb. or more. lb. 3.90 - —
1,000 lbs. or more.....lb. 3.95 - —
900 lbs. or less.....lb. 4.00 - —
1-oz. tins, 2,000 lbs. or more. lb. 4.25 - —
1,000 lbs. or more.....lb. 4.30 - —
900 lbs. or less.....lb. 4.35 - —
single lbs.....lb. 4.80 - —
single ozs.....lb. 5.15 - —
Vanillin, ex guaiacol, 10c. per lb. less.
Venice turpentine, true, cs....lb. .33 - .34
Verdigris, bbls., kgs.....lb. .24 - .30
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .55 - .57
Tree bark, bls.....lb. .25 - .26
Wattle bark, bgs., shipt.....ton.41.75 -43.75
Extract, bbls.....lb. .04⅝- —
Wax, bayberry, import, bgs...lb. .17 - .17½
Bees, white, bleach, slabs., cs., 500 lbs. .39 - .45
yellow, crude, Africa, bgs., lots of 10..lb. .27 - .27½
1 bg.....lb. .27½- .28
Brazil, Chile, bgs., 5-10 tons..lb. .29 - .29½
1 ton.....lb. .29½- .30
500 lbs.....lb. .30 - .30½
100 lbs.....lb. .30½- .31
refd., slabs, cs., lbs...lb. .35 - .39
Wax, candelilla, bgs., 1 ton...lb. .13½- .14
jobbing lots.....lb. .14 - .14½
Carnauba, No. 3, bgs., chalky, 1 ton..lb. .38 - .38½
5 bgs.....lb. .38½- .39
1 bg.....lb. .39 - .39½
N. C. 2, bgs.....lb. .40¼- .40¾
N. C. 3, bgs., 1 ton.....lb. .37⅝- .38⅛
5 bgs.....lb. .38⅛- .38⅝
1 bg.....lb. .38⅝- .69½
refined, bgs.....lb. .42 - .42½
yellow, No. 1, bgs., 1 ton..lb. .46 - .46½
5 bgs.....lb. .46½- .47
1 bg.....lb. .47 - .47½
No. 2, bgs.....lb. .44¾- .45½
Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots.....lb. .09½- —
150°-160° m.p., bgs., 1 ton.lb. .09½- —
jobbing lots.....lb. .10½- —
160° m.p., bgs., 1 ton.....lb. .10½- —
jobbing lots.....lb. .11½- —
Japan, cs.....lb. .10¾- .11
Montan, bgs., c.l.....lb. .11 - —
5 tons.....lb. .11¼- .11⅝
less than 1 ton.....lb. .11½- .12
Ozokerite, hard green, congeal p. 60°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure, 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .23 - .24
cakes, cs.....lb. .24 - .25
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .05½- .06
White precipitate, powd., bots. 5 lbs..lb. 1.99 - —
dms. .....lb. 1.86 - 1.88
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works.ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works.ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grd., bgs., c.l., works, ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted, blp. bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works.ton.14.60 -15.50
l.c.l., works.....ton.15.60 -16.50
extra bolted, blp. bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works.ton.14.60 -17.50
l.c.l., works.....ton.15.60 -18.50
Paris white, blp. bags., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.60 -21.50
English cliffstone (see Whiting, chalk, Paris white).
limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l., works..ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis.ton. 8.60 - —
90% 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra. bgs., (extra), c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works. ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs, (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works. ..ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .05
rossed, bls.....lb. .06½- .07
thin, natural, bls.....lb. .06½- .07
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF, bbls..gal. .40 - .45
Leaves, bls.....lb. .08 - .08½
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works.. ton.20.00 - —
import, 40-60 mesh, bgs., ex dock..ton.20.00 - —
70-80 mesh, bgs., ex dock.ton.22.00 - —
100 mesh, bgs., ex dock...ton.27.00 - —
120 mesh, bgs., ex dock...ton.33.00 - —
Wormseed, American, bgs.....lb. .15 - .16
Levant, bgs.....lb. 3.90 - 4.00
Wormwood, bls.....lb. .09 - .10

X

Xylol (xylene), comi., dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld., gal. .30 - —
W. of Omaha, works...gal. .30 - —
tanks, E. of Omaha, frt. alld., gal. .41 - —
W. of Omaha, works....gal. .41 - —
5°, dms., works.....gal. .41 - —
tanks, E. of Omaha, frt. alld., gal. .36 - —
W. of Omaha, works....gal. .36 - —
10°, dms., works.....gal. .38 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. of Omaha, works....gal. .33 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.50
Yellow, cadmium, CP, import., bxs..lb. 1.80 - 2.50
lithopone, all shades, bbls., 1 ton, works, frt. alld.lb. .45 - —
smaller lots, same basis, lb. .50 - —
kgs., ton lots, same basis, lb. .50 - —
smaller lots, same basis, lb. .55 - —
sulphide, orange, bbls., works. lb. 1.50 - 1.60

Sulphur—Zinc Oxide

Yellow, chrome, CP, bbls., dlvd. N of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .14½- —
open order.....lb. .15¼- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch pink, bbls.....lb. .09 - .11
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01¼- —
H, bbls., works.....lb. .01⅛- —
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans, for import..lb. .02475- —
New York (f.o.b.)..lb. .02¾- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle...lb. .03 - —
San Pedro, S. Francisco..lb. .0290- —
l.c.l., ex dock, Balto., Boston, N. Orleans...lb. .02575- —
New York.....lb. .02½- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle..lb. .03¼- —
San Pedro, S. Francisco..lb. .03 - —
ex whse., Balto., Boston, N. Orleans....lb. .02725- —
Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis, lb. .03¾- —
Minneapolis .....lb. .03½- —
New York.....lb. .02¾- —
Pittsburgh .....lb. .03¼- —
Portland, Seattle..lb. .03¾- —
San Pedro, S. Francisco..lb. .03¼- —
f.o.b. N. Y. from dock. lb. .02¾- —
from whse.....lb. .02¾- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem Easton, N.Y., lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06¾- —
l.c.l., works.....lb. .07 - .07¼
Persian orange (see O).
Zinc, bbls., same basis chrome CP, contracts..lb. .18 - —
open order.....lb. .19 - —
Yellow dock root, bls.....lb. .10 - .11
Yellow root (xanthoriza), bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .10 - .11
Yohimbine hydrochloride, vls..oz. 2.50 - 2.55

Z

Zinc, acetate, USP., bbls., 250 lbs..lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenate, bgs., cs., c.l., dealers, E. of Rockies..lb. .10½- —
l.c.l., bgs., cs.....lb. .11 - —
Arsenite, bgs., c.s., c.l., dealers, of Rockies..lb. .10¼- —
l.c.l., bgs., cs.....lb. .11 - —
Zinc arsenate and arsenite prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck, allowance for plant or whse. pick-up.
Carbonate, tech., bbls.....lb. .14 - .15
USP, precip., powd., bbls..lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works.100 lbs. 5.75 - —
solution, dms., works....lb. .04¼- —
tanks, works.....lb. .0225- —
gran., U.S.P., dms., 200 lbs.. lb. .25 - —
jars, 25 lbs.....lb. .31 - —
Cyanide, kgs., works.....lb. .36 - .38
Dust, bbls., c.l., dlvd.....lb. .0915- —
l.c.l., bbls., dlvd.....lb. .09¾- —
Fluoride, bbls.....lb. .20 - .25
Iodide, N.F., bots.....lb. 4.15 - —
jars .....lb. 4.00 - —
Metal (see daily quotations in Market report)
Oxide, pigment, dom., Amer., process, comi., lead-free, bgs., c.l., dlvd..lb. .06¼- .07⅛
l.c.l., dlvd. except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst., lb. .06½- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst..lb. .06¾- .08
leaded, 5%, bgs., c.l., dlvd..lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cs.lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse.,Pac.cst.lb. .06¾- —
35%, bgs., c.l., dlvd.lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse.,Pac.cst.lb. .06½- —
bbls., dlvd.....lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse.,Pac.cst.lb. .06¾- —
50%, bgs., c.l., dlvd..lb. .06⅝- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst.lb. .06¾- —
bbls., c.l., dlvd.....lb. .06⅝- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst.lb. .06¾- —
French process, comi., lead-free, bgs., c.l., dlvd..lb. .06¼- .07½
l.c.l., dlvd., except Pact cst..lb. .06½- .07¾
ex whse., Pac. cst.lb. .06½- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst.lb. .06¾- .08

(Continued on page 60)

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Founded October 18, 1871, by William O. Allison

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Watch the Cash Market

Neither those who are predicting an "inevitable slump" in business nor those who are forecasting a "major surge" manifest any extraordinary gifts of prophecy, by virtue of which their views of the future should be accepted as controlling of business plans and activities. Storm clouds bank dark and lightning streaks on world horizons. But, capable, careful businessmen, like capable, careful motorists, when visibility diminishes and hazards threaten, decrease their pace and increase their caution. There is no need yet to stop, to turn backward; nor is there wisdom in speeding up in the hope of beating out the storm.

The stock market is a barometer sensitive to many influences. It is not, however, today a reliable barometer of the business situation. Stock prices may be pulled down—as it is with prices of the commodities of general commerce, they do not fall of their own accord—but their reduction cannot be laid to diminishing profits of real business operations. Their "losses" do not in themselves mean anything to business beyond the potential, but far from actual, additional buying power that would have been acquired by those who might have sold at a gain—which was taken from somebody else.

Business may well turn its eyes and mind from the impairment of largely bookkeeping credit represented in the lower market value of its securities to give consideration to the actual cash resources abundantly available. The cash income of American agriculture in July was more than $750,000,000. Wages and other compensation paid to a recorded list of a little more than 8,000,000 workers amounted to more than $900,000,000. The Federal public works payroll was about $15,000,000. There is a total of $1,800,000,000 available as spending money in one month—and the reported figures obviously do not cover all that was earned during the period.

War may fall heavily upon the world soon or later, to upset all calculations. Nothing is to be gained by anticipatory pessimism in business. This is a time for careful driving, for maintaining the speed that has been satisfactory for months—eyes on the road over which goods go to the market where there is money to be spent.

Patents on Medicines

When the American Chemical Society set out to get from various sources opinions on the public interest aspects of the patenting of medical and food discoveries, perhaps it expected to get some expressions antagonistic to such protection of rights. This attitude was negligible in the symposium at the society's meeting last week. But, the contributions to the discussion presented one proposal that, while not unexpected from the source, has significance that does not all appear on its face. It was proposed by an officer of the American Medical Association that a corporation be created by that organization to hold and administer all drug patents and all food patents related to health under control of the A. M. A. management.

This proposal was presented as one for the creation of an impartial, nonprofit administrative agency. The naivety—or something—of that designation leaves much to be wondered at. Competitive jealousy in and among existing patent foundations in universities and other research institutions was one of the reasons advanced for their supersession by the proposed central agency. But, do not hastily infer that the proposal therefore indicates acceptance of the precept, *"Similia similibus curantur."*

It is evident that the A. M. A. patent pool proposal looks to the interests of the physician who may invent a therapeutic device or discover a valuable new drug. This inventor is handicapped, at least theoretically and canonically, by the proscriptions of the principles of medical ethics, the association decreeing it to be unprofessional for a physician "to receive remuneration from patents for surgical instruments or medicines." Realizing the fact that its decree is widely disregarded, but not admitting the inconsistency of its position, the association would mitigate this restriction—but only if it have control of conditions under which the fully merited remuneration was allotted.

To assure proper standards and proper use of medical discoveries it is necessary that these be protected by patent. This protection is also desirable from every point of view. It is just that the inventor should be allowed to participate in the financial returns from his invention, and a profit-sharing system in this respect is desirable in industry, as well as in universities and other research organizations. Whether an inventor be a doctor of medicine or a designer of machinery, his genius should not be sacrificed to dictatorial ethics or other code. His reward should not be determined by any craft union.

—O-P-D—

F.T.C. and Price-Fixing

Reasons can easily be found for considering it necessary to reiterate at intervals the warning that those who are active for the application of State fair trade laws must not lose sight of the attitude of the Federal Trade Commission toward everything that has a semblance of a price-fixing undertaking, and that not every manner of price-stabilizing activity has been legalized by these State laws and the Federal enabling act. Chiefly it must be expected that, because this statutory system deprives the commission of certain prized power, that body will be specially zealous in the application of the power that has been left in its hands.

The Federal Trade Commission has no blind infatuation for business and its practices. It may at times temper justice with consideration growing out of understanding; but the measure of its confidence in business is not particularly expansive. It believes fully in the need for the so-called "antitrust" laws, and for reasons other and better than its own ambitions it feels that these laws and its powers thereunder should be strengthened. These same reasons will influence Congress to grant the commission much that it seeks.

In connection with activities relative to the utilization of the price-stabilizing mechanism of fair trade legislation, there is pertinent significance in the action of the Federal Trade Commission to prohibit the application of the trade practice rules of the covered button industry as a means of fixing prices. That industry, it was alleged, had been reading into its trade rules which the commission had approved a sanction of price-fixing, cost-calculating, sample-banning, and other patent interferences with freedom of competition. Although this interpretation, or interpolation, may have been conducive to more fairness in competition, the commission could not and did not overlook the fact that the laws permit it to sanction only such requirements of fairness as do not lessen legal freedom of competitive endeavor.

The Federal Trade Commission does not enforce as such the trade practice rules which it approves for an industry; it enforces the law on which these rules are based. The commission has no administrative power in respect of State fair trade legislation; but it has—and it will exercise—extensive power to apply the Federal statutory proscription of concerted action by competitors to maintain fair prices in trade.

—O-P-D—

Petroldom Loses Rules

The Federal Trade Commission has taken away from the petroleum industry the trade practice rules approved in 1931 and has refused to approve a new set which the industry had submitted a year or so ago, leaving the industry, so some of its members say, "without a basis of ethical rules for conducting its operations." This forlorn attitude overlooks the long-existing Mosaic decalog, the Golden Rule, and the various Federal statutes on which all approved trade practice rules are based.

The commission has not told why it did not approve the proposed trade rules, beyond saying that to approve or accept them would be "contrary to law and the public interest." With respect to its rescinding of the 1931 rules the commission has said that such limited application of these as had recently been made was not in accordance with either their letter or their spirit. It would seem that the industry has not been sufficiently regardful of the rather narrow limits within which the antitrust laws confine certain trade practices with or without benefit of rules approved by the Federal Trade Commission.

There appears to be some confusion among members of the petroleum industry in respect of the procedure of the Federal Trade Commission in its consideration of the industry's appeal for "ethical rules for conducting its operations." Some say that this appeal was dismissed without being given a public hearing. The commission gave a hearing last February on the 1931 rules. Perhaps it would have found those satisfactory if it had had evidence of their proper application. Rules are merely words. It is the use of them that counts. This truth can still be used to provide the industry with ethical guidance.

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Paint Chemistry at A.C.S. Convention

(Continued from page 5)

III. Effect on properties:—
- A. Influence on electrical properties:—
  1. Curves showing relationship of acetone extraction, insulation resistance, resin content, power factor, degree of cure, di-electric, etc.
- B. Influence on physical properties
  1. Curves showing relationship of transverse strength and acetone extraction, resin content, insulation resistance, etc.

IV. Conclusions:—
- A. Merits of test methods
- B. Summary of properties affected

Consistency Measurement

By Eugene C. Bingham

(Lafayette College)

Ten papers on consistency measurement were presented at the A. S. T. M. meeting held on June 29. In 1923, this society had once before held a symposium on consistency, which showed wide differences of opinion as to the nature of consistency. At the present meeting the definition of consistency was given incidentally, but the time was taken up in discussion of how the consistencies of different materials of industrial importance can be measured in fundamental units. The crude methods in use are easy to carry out and cheap, but the results, being qualitative only, do not permit rigid adherence to defined standards.

The more serious matter is when poorly designed methods of test do not test a single property but some complex of several fundamental properties, each varying as a function of temperatures, pressure and composition. These qualitative tests are often valueless to the scientist and they may be misleading. By use of the two-point calibration method it is possible to obtain results of the desired precision quickly and with simple apparatus, but at present laborious research is required by skilled workers to find out just what the conditions are which have to oe met. One material, such as asphalt, is very stiff with a marked yield value, making the ordinary viscosity measurement meaningless. Other materials, paints, clays, greases, etc., are highly thixotropic, hence these materials must be studied in various definable states. Still others are chemisetting or thermosetting and the changes going on are irreversible. Nevertheless the rheological properties from moment to moment are of the greatest significance.

These papers show how progress is being made in this difficult field.

Film-Forming Methods

By Harold A. Levey

(Consultant)

The various methods for the conversion of plastic solutions into the form of thin self-sustaining films are discussed. The requirements of the physical characteristics of the solutions are compared. All of the known types of organic plastics which can be formed into self-sustaining films are classified.

Determination of Glycerin and Ethyleneglycol

By A. G. Hovey and T. S. Hodgins

(Beck, Koller & Co.)

A rapid colorimetric test to distinguish glycerin from ethyleneglycol is needed, especially now that ethyleneglycol is cheap and likely to be present in alkyl resins.

Heretofore detection has been based mostly on physical properties. Starting with Mulliken's work on the color obtained using pyrogallol with glycerin the work has been carried further along using various homologs of phenol under both acid and alkaline conditions. Using catechol in an acid medium a sensitive colormetric test has been developed which distinguishes glycerin from ethyleneglycol, even in very dilute concentrations.

Certain other color reactions are reported which may be a useful basis for distinguishing polyhydric alcohols other than glycerin or ethyleneglycol.

Film-Forming Surfaces

By Harold A. Levey

(Consultant)

The relationships existing between the physical and chemical characteristics of various plastic compositions, and the types of surfaces upon which thin films of these compositions may be formed, dried and subsequently stripped are considered. Metallic, non-metallic, and organic materials as forming surfaces are discussed. Film spreading on liquid media are considered. The requirements for the release of dried films are pointed out.

Garvan Gold Medal for Women Won by Dr. Carr

Dr. Emma P. Carr, head of the chemistry department of Mt. Holyoke College, was awarded the first Francis P. Garvan gold medal, established to honor outstanding women chemists, at the ninety-fourth meeting of the American Chemical Society, September 8, in Rochester, N. Y. The award, according to the society's announcement, went to Dr. Carr "for her researches in physical chemistry, especially on the structure of organic molecules by means of absorption studies in the far ultra violet portion of the spectrum."

Dr. Carr has gained a world reputation as an authority in this field of chemistry, according to the committee of award, headed by Dean Frank C. Whitmore of Pennsylvania State College, president-elect of the society. She developed at Mt. Holyoke an unusual research technique in which organic chemists, physical chemists, and physicists co-operate closely.

Dr. Carr, now in San Francisco, will sail soon for Australia on an educational mission. A paper describing new findings by Dr. Carr and her coworkers was read at the meeting by Professor Mary L. Sherrill of Mt. Holyoke before the society's division of organic chemistry. The report confirmed the configuration of two different forms of hydrocarbon molecules, the principal constituents of gasoline. By means of absorption spectra, the theory of the structure of the cis and trans 2-butene isomers, or compounds with an identical number of hydrogen and carbon atoms, but different arrangement of atoms around the double bond, was borne out. Dr. Carr, it was disclosed, has also identified for the first time the pure cis and trans isomers of 2-pentene, a third hydrocarbon molecule. This additional data of a purely scientific nature, it was explained, will aid the petroleum chemist. Dr. Carr's reported researches have dealt with the energy relationships of the hydrocarbon molecules, especially of the double bond, involving the olefins.

Dr. Carr was born in Holmesville, Ohio, and lived in Coshocton, Ohio, until she joined the faculty of Mt. Holyoke.

Milk Chemistry Prize Set Up by Borden Co.

A prize of $1,000 and a gold medal for outstanding achievement in milk chemistry has been established by the Borden Company, it was announced September 8 at the ninety-fourth meeting of the American Chemical Society, in Rochester. The award will be made annually for three years, beginning in 1939 under the direction of the society.

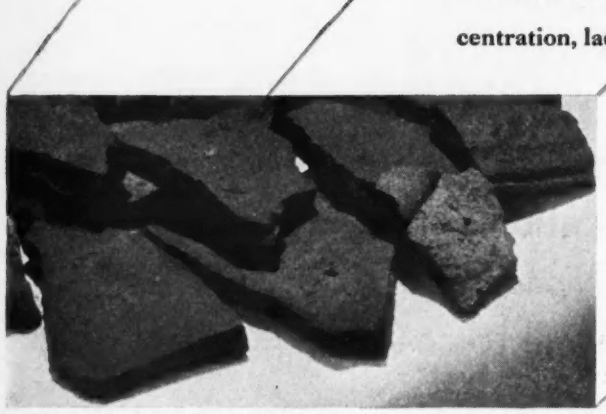
Establishment of the prize was sanctioned by the society on the recommendation of a committee consisting of Dean Frank C. Whitmore, of Pennsylvania State College, president-elect of the society, and Erle M. Billings, of the Eastman Kodak Company, Rochester, and Professor Arthur J. Hill, of Yale University, directors of the society.

Glyco Appoints Representatives

The Glyco Products Company, this city, reports the appointment of the following representatives in their respective countries:—Siber Hegner & Co., central P. O. box 19, Osaka, Japan; Marcel Quarre et Cie, 94 Rue Lafayette, Paris x(e), France; E. Landerholm, box 2152, Stockholm 2, Sweden; Exclusivas Benet, S. A., apartado postal 7538, Mexico, D. F., Mexico, and Pelegrina & Llorens, Salvador, Brau 70, apartado postal 1558, San Juan, P. R.

SODIUM SULPHIDE

chipped concentrate*



(APPROXIMATELY ACTUAL SIZE)

Common forms of Sodium Sulphide containing less water than necessary to form crystals, while possessing the advantage of concentration, lack certain characteristics of the crystal that are desirable in many applications. With the object of producing a concentrate possessing the useful properties of the crystal, General Chemical Company set out to pioneer a new physical form of Sodium Sulphide. *Chipped concentrate*, the product of painstaking research and development work, combines a high degree of purity, uniformity and stability. It dissolves readily at a uniform rate with a minimum of agitation, is non-caking, and is especially easy to weigh, measure and handle. By reason of these advantages, *chipped concentrate* markedly enhances the efficiency of many industrial operations employing Sodium Sulphide.

*60-62% Na_2S content

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ACIDS • ALUMS • SODIUM COMPOUNDS • AND OTHER INDUSTRIAL CHEMICALS

Heavy Chemicals

General Demand Lacks Improvement — Manganese Ore in Short Supply—Manganese Dioxide Continues Firm—Sulphuric Acid Strong—Fluorspar Reflects Small Surplus Stocks

Business in the market for industrial chemicals continued at a slow pace throughout the week. The Labor Day holiday interruption, together with an inclination of buyers to determine the general trend of business for the fourth quarter before ordering out on a broad scale, tended to cause consumers to withdraw supplies in a cautious manner. Despite the dull character of the call, sellers reported the market was generally steady to firm.

Contract shipments failed to show an improvement after the Labor Day holiday, but sellers in all quarters of the market were inclined toward the belief that seasonal influences played a prominent part in holding back orders. Opinions in the trade seem to indicate that business would develop an active pace after September 15, the date on which notification of fourth quarter price schedules will be made known. However, some quarters continued in the belief that inventories of some consuming industries were not entirely exhausted. The statistical position as far as supplies in sellers' hands were concerned appeared favorable. Alkalies remained firm. Tin salts were slightly steadier. Tungsten derivatives were nominal. Antimony metal was quiet.

Soda silicofluoride noted a dull demand. Saltcake was firm. Steel operations were lower; the automobile output continued low. There was little to report in textile chemicals and plating materials were highly irregular in movement to consuming channels. Manganese dioxide remained firm, for the basic product was decidedly firm. Fluorspar was sold up. Magnesite displayed a slightly firmer tendency. Copper derivatives were quiet. Agricultural insecticides and fungicides noted a dull week.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twelve typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
154.4	154.4	154.4	153.3

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.8	99.8	99.8	99.4

Market news that may have developed after this report was sent to press will be found on page 4.

Alums.—Business in the market for ammonia and potash alums continued fairly good at times during the week. Prices were unchanged. There was little to report in the market for iron-free and commercial sulphate; prices continued steady.

Ammonia, Anhydrous.—There was a good demand in evidence for this product again last week, sellers were holding firmly to previous prices. August shipments were said to have been exceptionally good.

Ammonia, Aqua.—Business continued at an irregular pace throughout the week, sellers reporting prices were stead to firm at the levels in force in the preceding period.

Ammoniac, Sal.—This market continued to experience an irregular call throughout the week just ended, sellers were holding to previous prices. The call came from the battery trade as well as other routine channels of consumption.

Antimony.—This market noted little change during the week, demand showing a mild improvement, and prices were steady at the levels in force previously.

Arsenic.—Business in white arsenic continued quiet during the week just ended. Sellers reported prices were steady to firm. The call for red arsenic lacked improvement, routine consumers were covering when needs were necessary. Quotations ruled unchanged.

Barium Salts.—The call for barium chloride was along conservative lines during the week, but quotations ruled unchanged. There was little to report in the market for carbonate, and a strictly routine week was noted for hydrate of barium. All prices were unchanged.

Blue Vitriol.—The situation revealed little variation from recent weeks, the call was fairly good, and a firm tone prevailed. Sellers reported that August shipments were exceptionally good and that September business was measuring up to expectations.

Calcium Acetate.—Usual buyers supplied a fair demand in this market and price remained unchanged.

Calcium Chloride.—This product noted a spotty demand during the week, but sellers reported a good volume of business on the books for forward delivery, the colder weather was expected to stimulate the call. Prices were in conformity with the schedule in effect previously.

Carbon Dioxide.—Demand was fair last week. Prices were firm. A company has been formed in South Africa for the manufacture of solid carbon dioxide.

Carbon Tetrachloride.—This market offered little change from recent weeks, in that usual consumers were withdrawing in moderate volume and prices displayed a steady to firm tone.

Copper.—This market noted a favorable inquiry throughout the week, prices remained firm. Scrap copper was raised fractionally.

Copperas.—Business continued at a favorable pace throughout the week. No change was uncovered in quotations. Steel operations were at 71.6 percent of capacity, against 84.1 percent last week, off 12.5 points, or 14.9 percent, according to the American Iron & Steel Institute. A month ago operations were at 84.6 percent, and a year ago at 68.2 percent. The large drop in the operating rate was due to the observance of the Labor Day holiday.

Copper Nitrate.—The call for this product was fair. Price ruled unchanged. It is reported that a brisk demand existed in Winnipeg for copper nitrate following the announcement of a method developed of eradicating dandelions with a solution of copper nitrate in water.

Fluorspar.—A firm tone prevailed in this market again last week. The firm character of the price tone could be attributed to the sold up condition of the market. Prices ruled unchanged. The sold up condition of the market reflected the high level of activity in the steel industry.

Magnesite.—Demand in this market was fairly good at times during the week. No change was uncovered in quotations, sellers were quoting $60 to $65 per ton.

Manganese Dioxide.—A decidedly firm tone was noted in this market, demand was good. The firm tone noted in the prices established in the preceding period could be explained by strength in the basic material.

Manganese Ore.—Price continued strictly nominal, the nominal position being due to the limited supplies.

Nickel Salt.—Shipments were moving for the account of the plating trade at a favorable pace throughout the week. No change in price was uncovered. Reports from the automobile industry indicated the prevalence of an optimistic sentiment regarding the outlook.

Potash Carbonate.—This situation presented little change from recent weeks, with regular buyers withdrawing relatively small quantities, and prices were held at the levels in force previously.

Potash, Caustic.—Conditions were relatively unchanged, usual consumers were taking fair-sized quantities, and prices ruled firm at the levels in effect previously.

Potash Chlorate.—The match industry continued to adhere to a conservative buying policy throughout the

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

SYNTHETIC
Imported CRYOLITE 98/100% Snow White
Warehouse Stocks in New York and Baltimore
CUNO SIEVERS INC. • ESTABLISHED 1908 • 101 Cedar Street New York
BArclay 7-3858-3859-3865

TURNER
LIQUID CAUSTIC SODA
TANK TRUCKS—DRUMS
Local delivery tank truck service throughout the Metropolitan New York area.
JOSEPH TURNER & COMPANY
83 EXCHANGE PL. PROVIDENCE
RIDGEFIELD, N. J. 630 FIFTH AVE., NEW YORK
40TH ST & CALUMET CHICAGO

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA
CHURCH & DWIGHT CO.
70 PINE STREET Phone Digby 4-2181 NEW YORK CITY

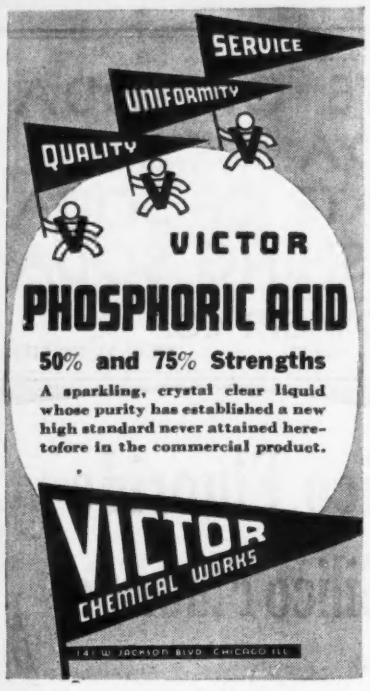
Sodium Silico Fluoride
Ammonium Silico Fluoride
•
STANDARD, DOMESTIC MATERIAL. INQUIRIES SOLICITED FOR SPOT, FUTURE AND CONTRACT
HENRY SUNDHEIMER, INC.
Telephones: AShland 4-4817-4818 103 PARK AVE., NEW YORK, N. Y.

SULPHUR
Stauffer
. . . . constantly dependable for half a century
BORIC ACID : CARBON TETRACHLORIDE : BORAX : TITANIUM TETRACHLORIDE . CAUSTIC SODA SULPHUR CHLORIDE SULPHUR : SILICON TETRACHLORIDE CREAM OF TARTAR SULPHURIC ACID : CARBON BISULPHIDE : TARTARIC ACID
STAUFFER CHEMICAL COMPANY
624 California St. San Francisco, Cal. • 2710 Graybar Bldg. New York, N. Y. • Freeport Texas
Carbide and Carbon Bldg. Chicago, Ill. Rives-Strong Bldg. Los Angeles, Cal.
Stauffer

BLUE VITRIOL
IRVINGTON SMELTING & REFINING WORKS
IRVINGTON NEW JERSEY
NEW YORK OFFICE 30 CHURCH ST.

week. Despite the lull noted in buying at times, sellers reported prices ruled firm.

Saltcake.—A fair demand in this market again last week. Prices ruled firm. Salt cake, chiefly chemical, is used as a raw material in the manufacture of various heavy chemicals, such as Glauber's salt, anhydrous soda sulphate, and others. Practically all of the heavy chemicals manufactured from saltcake are made in the same plants in which the saltcake is produced. Thus the production of chemical saltcake by concerns for their own use represents approximately the total consumption of saltcake in the heavy chemical industry. In 1935 the total was 30,313 tons, against 28,538 short tons in 1933. The value of saltcake per ton is low, and for this reason the cost of transportation is an important factor in determining movements to particular markets, according to a survey by the Tariff Commission. The average cost of transporting foreign and domestic saltcake to domestic sulphate pulp mills was $5.60 per short ton in 1935, or approximately 40 percent of the total delivered value of the product at the pulp mills. Practically all of the saltcake consumed in the North Atlantic and North Central States is produced in those areas as a coproduct of the chemical industry, and the output of saltcake is determined primarily by demand for other chemicals. Under existing market conditions, the output of chemical saltcake in the Northern States is approximately equal to the consumption in that area. Very little saltcake is produced in the Southern and Pacific Coast States where it is consumed in the production of sulphate pulp. The requirements are supplied largely from the outside domestic sources and by imports. Many of the pulp mills in both of the areas are located near tidewater, and transportation charges on saltcake from Europe to those pulp mills are lower than rail charges on domestic natural saltcake which is produced inland at a great



Soda Ash.—Demand continued fairly good at intervals during the week. Prices ruled firm. A Netherland manufacturer announced that the production of soda ash, which was started two years ago, would be augmented by production of bicarbonate, mainly for export to Norway, Finland and other European countries, on the basis of 500 tons monthly.

Soda, Caustic.—A good inquiry was in evidence in this market during the week. Prices were unchanged. The volume of caustic soda consumed in Sweden is relatively small but increasing, primarily due to the greater use of the alkali in paper and rayon pulp manufacture. A new electrolytic plant was placed in operation in 1936 at Stockholm. Japanese producers of caustic soda entered the Swedish market in earnest in 1936, supplying about 25 percent of the total imported. The share going to German and Russian manufacturers declined appreciably. The entry of the Swedish market by Japanese manufacturers exerted heavy pressure on prices.

Soda Cyanide.—Demand was fairly good throughout the period under review. Quotations were well maintained.

Soda Phosphate.—Shipments were moving out in good volume throughout the week, prices for dibasic and tribasic soda phosphate were held firm at the levels in force previously.

Soda Silicofluoride.—Nothing new was uncovered in this market again last week. Routine consumers were supplying the call. Prices held steady.

Soda Stannate.—This product continued to note a fair demand, sellers reporting prices appeared steadier, under the influence of the basic metal price.

Tin Salts.—While the market for tin crystals noted an irregular demand, prices reflected the fluctuations in the basic metal market. Demand for anhydrous tetrachloride of tin was fair. At a meeting of the International Tin Committee it was decided to maintain the production quota for the fourth quarter of 1937 at 110 percent of standard tonnages.

Tungsten Oxide.—Demand for this product continued fair and prices for this derivative as well as other tungsten derivatives were strictly nominal, because of the wide fluctuations in the basic product as a result of the Sino-Japanese hostilities.

Acids

The market for mineral acids continued to experience an irregular demand throughout the week just closed. Manufacturing consumers continued to cover for immediate production wants only. Sulphuric acid continued as the active feature. Muriatic acid and nitric acid displayed a steady to firm tone. Demand for chromic acid from the plating trade indicated coverage of actual wants only. Acetic acid moved out at a fairly good clip at intervals during the week. Battery and boric acid continued to display a decidedly firm tone.

Acetic.—A good call was noted here. Prices were firm. The spectacular increase in Japan's exports of acetic acid during the present year has drawn attention to the marked expansion of the Japanese industry. Shipments during the first five months of 1937 amounted to 1,473 metric tons, which is almost exactly twice as large as for the corresponding period of last year. It is claimed that whereas exports were formerly confined to Eastern countries, there have been very substantial shipments recently to Europe and South America. Total production increased from the low of 4,515 metric tons in 1932 to 10,546 tons in 1935, and conservative trade estimates indicate that 1936 production amounted to at least 12,000 metric tons.

Battery.—A fair buying movement continued in evidence in this direction during the course of the period under review. Prices were well maintained.

Boric.—Shipments continued to move in moderate volume throughout the week, the contract withdrawals reaching a level sufficient to give the market a firm tone.

Chromic.—This market revealed little change, the plating trade continued to purchase for actual wants only. Prices were firm at previous levels.

Formic.—Shipments were on a fair scale throughout the week, the call came from routine sources. Prices were steady to firm.

Lactic.—Some slowing down was reported in the buying, but the buying was steady to firm.

Muriatic.—Shipments were moving out at favorable pace again last week. Sellers in all quarters of the market reported prices were firm.

Nitric.—This market offered little improvement, contract withdrawals continued conservative. Prices were firm.

Sulphuric.—A substantial buying movement was reported in this market again last week, prices were firm. Statistics on production, receipts, consumption, shipments, and stocks of sulphuric acid, based on data reported by 58 fertilizer manufacturers for July and previous months of 1937, 64 for the months of 1936, and 69 for the months of 1935, were released by the Department of Commerce. Production of sulphuric acid by fertilizer manufacturers during July 1937 amounted to 166,927 tons, receipts to 60,645 tons, consumption by reporting manufacturers to 140,230 tons, shipments to 87,811 tons, and stocks on hand at end of month to 75,583 tons. Output total for first seven months was 1,227,395 tons, against 930,908 tons in the same time a year ago. Receipts were 430,723 tons, against 253,717 tons in the same period last year. Consumption in the first seven months was 1,106,517 tons, against 709,189 tons in the same time last year.

BALTIMORE, Sept. 8.—Though the requirements of the manufacturers of fertilizer mixtures in the way of sulphuric acid are not large at this time, the market continues to show the effect of firmness, with the needs of users of acid so far not met in a way to give the situation a touch of ease. Inquiries for acid continue numerous and the search for possible supplies goes on in the same diligent manner as has been noted for some time. So far the additions made to the production in this locality has not served to lessen the urgency of the inquiries and it is still to be said that holders of acid in a position to make delivery can command premiums more or less above the nominal quotations, which stand at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. The steel makers continue to absorb acid in large quantities, and there are other outlets which impose a tax upon the makers. The market for oleum continues to be rather uneventful, but with the quotations apparently sharing in the strength of acid. The nominal figures are around $17 per ton for 20 percent stocks.

Insecticides

Demand for insecticides and fungicides was slow. The application on vineyards of arsenical compounds has been prohibited in Germany by a new law, thus removing an important sphere of application for arsenical preparations. In recent times large and increasing amounts of calcium arsenate have been used for combatting the potato beetle in the Western frontier regions with a view to preventing this plant scourge from getting a foothold in Germany and especially from penetrating into the intensive potato-growing districts of Eastern Germany largely dependent economically upon potato cultivation. Lead arsenate is used chiefly for combatting insect pests in fruit orchards. Arsenical preparations were formerly used for combatting the dangerous forest-tree pest, panolis piniperda, which in past years wrought such great devastation upon German forest lands, but newer contact poisons have proved much more efficacious and thus have displaced the arsenical insecticides for this purpose. In 1933 not less than 500 metric tons of those newer contact insecticides were successfully used under government sponsorship for protecting the forest of the Eastern Marches against an invasion of dangerous moth and caterpillar pests.

Calcium Arsenate.—A fair demand was reported in this market at times, and prices ruled unchanged. In the Eastern cotton belt frequent rains and high humidity were generally detrimental and the crop continued to make only poor progress. Similar conditions prevailed in the lower Mississippi Valley, but in the Western belt some improvement was noted. The cotton crop was estimated at 16,098,000 bales by the Department of Agriculture, as of September 1, a gain of 505,000 bales over the August 1 estimate.

Lead Arsenate.—There was a spotty demand in evidence for this product. Quotations ruled unchanged.

Nicotine Sulphate.—Nothing new was disclosed in this market, routine consumers furnished a fair demand. Prices held unchanged.

DuPont Buys Fair Space

E. I. du Pont de Nemours & Co. has purchased 5,000 square feet of exhibit space at San Francisco's 1939 Golden Gate International Exposition. The exhibit will demonstrate the importance of chemistry to industry, business, and commerce.

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Synthetic Resins Industry Large User of Chemicals

(Continued from page 3)

as those from coal, and hence, in this country these crude materials must also be considered. It is important to note this interchangeability in view of the frequent controversies regarding the life of our petroleum reserves.

The plastics industry is unlikely to find itself limited by the supply of its fundamental crude materials. Rather, the limits already encountered are set by the abilities of chemical technology to elaborate these crudes into the intermediate forms required in resin manufacture. These intermediate products are much more liable to be affected by the law of supply and demand with its fluctuating prices. In this class should be included phenol, phthalic anhydride—the true intermediates being benzol and naphthalene, respectively—formaldehyde, urea, ethylene, acetylene, and others.

The coaltar resins are decidedly the most important class today in quantity, value, and variety of usefulness. Within this class must be placed all resins in which one or more necessary raw materials are derived from coaltar, including phenolics, phthalic anhydride resins, and miscellaneous ones, such as styrene and coumarone.

Since the synthetic resin industry is fundamentally based on ultimate raw materials which are among the most common and most widely distributed throughout the world, it is apparent that the only serious impediments to its orderly and continued growth are temporary limitations of processing the ultimate crude materials. None of these seems at all likely to impose more than a passing resistance to the expansion of the plastics industry.

Continued Growth Seems Assured

From every point of view continued acceleration of growth seems assured as more resins of greater utility are produced. This growth has stimulated all American chemical industry. What is perhaps the most significant fact about the plastics industry is that it frees us completely of dependence on foreign sources of raw materials, a sure safeguard against international friction that might lead to war.

Of the 116,335,000 pounds of coaltar resins produced in 1936, approximately 53 percent were used in paints, varnishes, and lacquers, and 21 percent were used in molding compounds. Of the resins used in the paint, varnish, and lacquer industry, only about one-third were phenolics and two-thirds alkyds.

Phenolic resins are produced by the interaction of phenol or one of its homologs, such as cresol and xylenol, with an aldehyde. The demand for phenol in America for this purpose has long exceeded the quantity that can be produced by the refining from coaltar distillates. Phenol is synthesized from benzene by chlorination and subsequent hydrolysis at high pressures; or by sulphonation, followed by alkali fusion.

The manufacture of the 43,400,000 pounds of synthetic phenol made in the United States in 1935 required roughly 43,000,000 pounds of benzol, 60,000,000 pounds of 5 percent oleum (sulphuric acid containing dissolved sulphur trioxide), 10,000,000 pounds of chlorine, and 120,000,000 pounds of caustic soda.

Drain on Phenol and Naphthalene

In 1935, about 29,000,000 pounds or 67 percent, of the phenol produced went into resins. Today, however, in less than two years, the demand is such that there is a definite shortage in the supply; so much so, that the two largest factories are enlarging their plants to manufacture about 30,000,000 pounds between them in 1937. Even in England a new synthetic phenol plant with a capacity of 1,500 tons a year is to be built at once. This shortage is not due to lack of benzol but to the lack of manufacturing equipment for converting this to phenol.

Formaldehyde, the most important aldehyde employed in resin manufacture, is made by oxidation of methanol, in turn synthesized from hydrogen and carbon monoxide. Phthalic anhydride resins, otherwise known as the alkyds or "glyptals," are especially valuable in protective coatings—paints, varnishes, and lacquers—as indicated by the use of 33,337,000 pounds for this purpose in 1935. Production of these resins in 1935 was 225 percent of the 1934 output and in 1936 was 381 percent of the 1934 figure. They are made by the reaction of a polybasic acid with a polyhydric alcohol. Phthalic anhydride, made by the catalytic oxidation of naphthalene with air, is the most important acid, although maleic acid is used to some extent.

The growth of the demand for alkyd resins, and in turn the increased demand for naphthalene, has seriously affected the naphthalene market. In 1936, the German government placed heavy restrictions on the exportation of naphthalene from Germany. The resulting decrease in importation of this commodity into the United States was soon reflected in the spot market by an advance in price from three and three-fourths cents per pound in 1932 to over seven cents per pound early in 1937. From 1930 to 1936, the domestic production of phthalic anhydride has increased 5.6-fold, and the resulting increased demand for naphthalene was a large factor in the price rise.

The Position of Glycerin

In addition to phthalic anhydride, a polyhydric alcohol, glycerin or glycol, is required to form these resins. The rapid growth in the demand for glycerin has caused shortages from time to time in the glycerin market because its production depends upon operations in which it is a by-product. The glycols, being synthetic, are not so limited, and new methods of making glycerin are being actively sought to free it from the limitations inherent in its production as a by-product of soap and fatty acid manufacture.

The possible production of phthalic anhydride resins is thus at present limited from two sides. Phthalic anhydride is made from naphthalene, which in turn comes from coaltar. The United States is an importer of crude naphthalene, principally from Germany and Great Britain, and thus foreign conditions affect its price. Similarly, glycerin production, limited by other factors, and largely used for other purposes, hinders by its lack of flexibility the more rapid expansion of these resins.

Argentine Papermaker Expands

Argentina's largest paper-manufacturing concern, Celulosa Argentina, reports a vast expansion program which is expected to make the republic independent of foreign suppliers. The company is raising its capital from 5,000,000 to 30,000,000 pesos to speed up production of all classes of paper, utilizing domestic raw materials almost exclusively. Output of chemical cellulose will be increased through the use of grain straw to approximately 90 tons daily beginning next year, compared with 13 tons as at present.

Annand Named Research Aid To Entomology Bureau Chief

Dr. P. N. Annand has been made special research assistant to the chief of the Bureau of Entomology and Plant Quarantine, Department of Agriculture, and C. M. Packard will succeed him as chief of the Division of Cereal and Forage Insect Investigation.

Dr. Annand will devote his entire time to unifying the bureau's research, which covers a wide and constantly growing field, and making it more effective. He has been with the bureau since 1929.

Mr. Packard has been with the bureau since 1913, in charge of the laboratory of the Division of Cereal and Forage Insect Investigations at Lafayette, Ind. He directed much of the investigational work, notably that on the Hessian fly and chinch bug, in the area.

Dewey & Almy Sues on Patents

The Dewey & Almy Chemical Company of Canada, has brought suit in the Exchequer Court of Canada against distributors of certain canned foodstuffs imported from Japan alleged to be sealed with sealing compounds which infringe the company's patents. A restraining injunction against further importation, as well as damages and other relief, are being sought by the plaintiff.

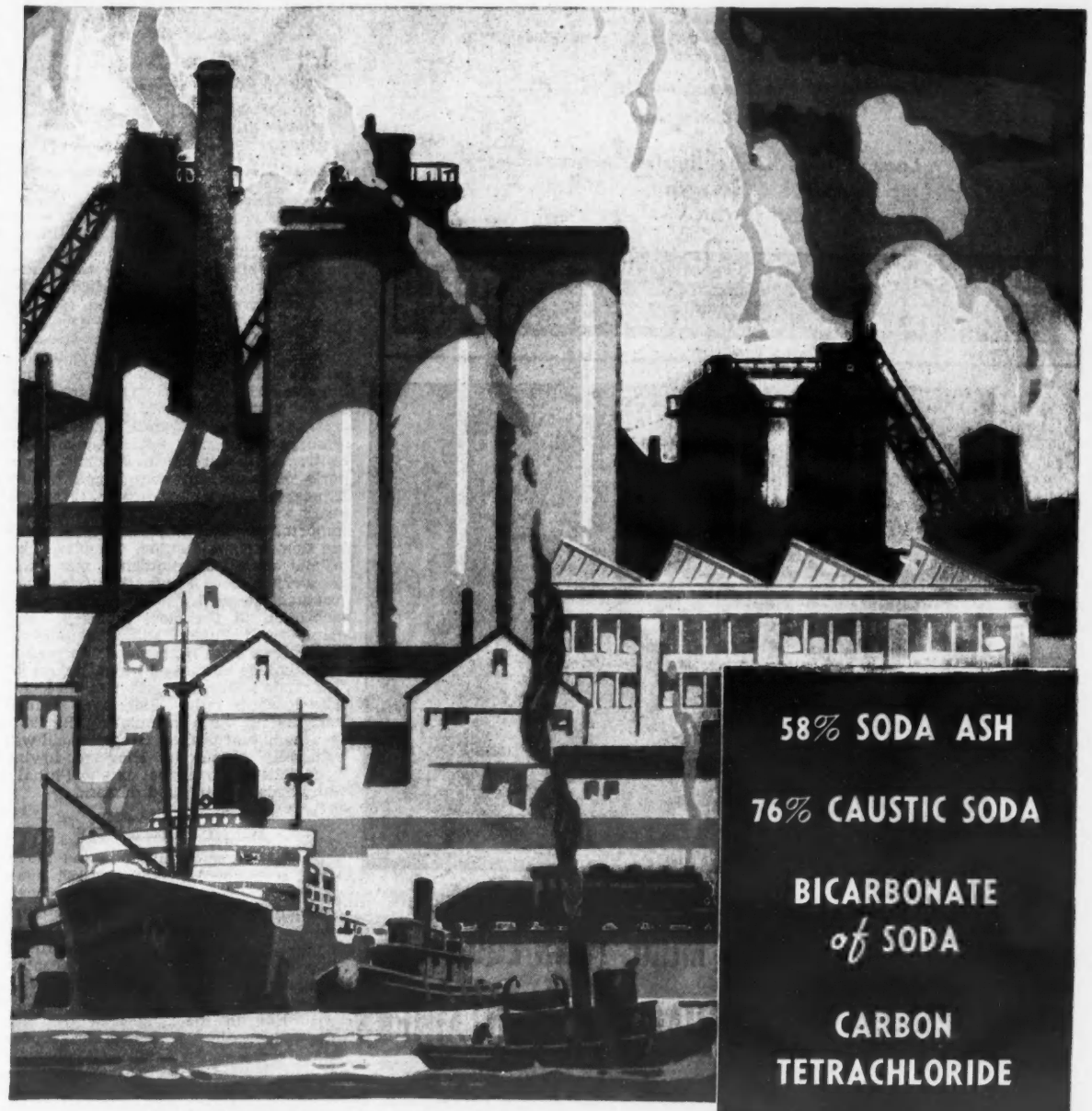
Davol Rubber Company Elects Kilcup Chairman

At a recent meeting of the board of directors of the Davol Rubber Company, Providence, R. I., the following officers were elected:—Chairman of the board, president, and treasurer, Ernest I. Kilcup; vice-president, secretary, and assistant treasurer, Walter L. Davol; assistant treasurer, Edward Osborne; assistant secretary, Ralph D. Berry.

Last Spring, at the time of the death of Charles J. Davol, then chairman of the board, president and treasurer, Mr. Kilcup was secretary, acting treasurer, and managing executive of the company; Walter L. Davol was assistant treasurer and assistant managing executive. Messrs. Osborne and Berry, who have been with the company many years, will continue their duties of office manager and purchasing agent in addition to their work in their official capacities. Since all four of the recently elected officers have been executives of the company for many years, a continuance of its policies is assured.

General Aniline Extending

General Aniline Works, a subsidiary of the American I. G. Chemical Corporation, has let contracts for the construction of an additional manufacturing building and for an office building at Grasselli, N. J., to cost $500,000.



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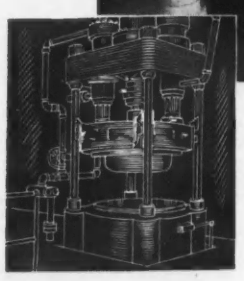

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Coaltar Chemicals

Phenol Continues in Good Demand—Cresylic Acid Quiet—Crude Naphthalene Dull—Refined Naphthalene Steady—Better Call For Toluol—Benzol Active—Intermediates and Colors Steady

Business in the market for coaltar chemicals continued at a good pace throughout the week just closed. Manufacturing consumers were ordering out full contract allotments of phenol, resulting in prices being decidedly firm at the higher level established recently. Cresylic acid demand was fair. Refined naphthalene was steady. Benzol buying held up well. Some improvement was shown in the call for toluol. Prices for intermediates and colors were steady to firm.

Inquiries for export as well as domestic buying continued good in the market for phenol, sellers reporting that the higher levels placed in effect the preceding week were being well maintained. Further broadening was shown in the call for toluol, sellers were holding to previous prices. Reports from the automobile industry were to the effect that producers were gradually getting into production on 1938 models, with the output expected to be ahead of the last year in October because of only minor changes being made in the models. Benzol demand was good. Exports of benzol to Germany from the United States total 3,505 gallons in the first half of 1937, against 17,038 in the same period a year ago. The marked contraction occurring in Germany's imports of American benzol and homologues to a new low-record of recent years was due mainly to lessened total importation, caused by steadily expanding domestic production, stimulated by official measures requiring maximum recovery of benzol and other coke-oven products as well as by the high acceleration of the steel industry. Receipts from Poland gained somewhat, while those from Netherlands decreased. Naphthalene continued quiet, buyers of the crude appeared content to cover for actual wants only. Sellers of refined naphthalene were formulating the 1937-38 schedule of prices. Cresylic acid was relatively quiet, the shortage having been relieved to a great extent. Phthalic anhydride was in good demand.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week	Prev. week.	Last month.	Last year.
127.3	127.3	127.2	126.3

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—A substantial buying movement was noted in this market again last week, sellers reporting prices were decidedly firm. The call came from routine consumers. Because of the Labor day holiday, steel ingot production was scheduled at 71.6 percent of capacity, against 84.1 percent in the preceding week, a drop of 12.5 points, according to the American Iron and Steel Institute. A month ago operations were at the rate of 84.6 percent. Production of open hearth and Bessemer steel ingots during August reached a total of 4,861,789 gross tons, an increase of 6.7 percent over the July total of 4,556,596 gross tons, according to the American Iron and Steel Institute. The August figure was more than 16 percent above the output of 4,184,287 gross tons in August, 1936, but failed to equal August, 1929, when 4,939,086 gross tons were produced. Total production in the first eight months of this year amounted to 38,183,018 gross tons, as against 29,374,754 gross tons in the like period of 1936, and 38,825,943 gross tons in the first eight months of 1929. During August the steel industry operated at an average rate of 83.55 percent of capacity, which compares with 78.49 percent in July and 72.11 percent in August, 1936. Steel production during August was calculated at 1,097,469 gross tons of ingots per week, compared with 1,030,904 gross tons per week in July and 944,534 in August of last year.

Cresol.—There was a fair call in evidence for this product again last week. Prices were steady to firm.

Creosote Oil.—This market continued to display a firm tone throughout the week, sellers reporting quotations were unchanged. Business continued to come from the major railroad systems and other routine consumers. Exports of coal-tar creosote oil from the United States during the first half of 1937 increased to 219,772 gallons valued at $43,720 from 84,971 gallons, value $20,115 during the corresponding half of 1936. Imports likewise increased during the first half of 1937 to 24,854,865 gallons, value $2,882,816 from 22,699,567 gallons value $2,450,910 during the 1936 corresponding half.

Cresylic Acid.—A fair demand was noted in this market again last week, sellers reporting prices were well maintained. The synthetic resin industry and other usual consumers were withdrawing supplies in moderate volume.

Naphthalene.—Betterment in the call continued to be lacking in this direction again last week, the market for crude naphthalene continued to reflect the unfavorable seasonal influences, in that buyers were covering only when needs reached an urgent point. The market for refined naphthalene was quiet. However, a steady tone was in evidence, and the trade was awaiting the 1938 price schedule.

Phenol. — Shipments continued to move out in substantial volume throughout the week, with inquiry for export account said to be good. Domestic buying was also heavy, resulting in the market displaying a decidedly firm tone at the higher levels established in the preceding period.

Pyridin.—There was a favorable call in this market again last week, a decidedly firm price tone was in evidence.

Solvent Naphtha.—Business in the market for industrial water white solvent naphtha continued at a good pace throughout the week just closed. Sellers reported prices were decidedly firm. There was an active interest shown for high flash naphtha. No change was uncovered in quotations.

Toluol.—Shipments were moving out in good volume throughout the week just ended, sellers were holding firmly to the quotations in order previously. Reports from the automobile industry continued along optimistic lines, producers were getting into production on 1938 models.

Xylol.—A decidedly firm tone was in prominence in this market again last week, sellers reporting shipments were moving out in volume sufficient to absorb current production.

Chicago Coaltar Bases

CHICAGO, Sept. 9.—Considerable interest is being stirred up here at this time in benzol, especially the motor grade. Buyers of the latter have been inquiring more frequently. Sellers are having no difficulty in making sales, and amounts of purchases have been increasing a little. Toluol and other materials are mostly firm. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10c. to 10½c.; toluol, 30c.; xylol, 33c.; solvent naphtha, 30c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic. — Demand here was fair throughout the week. Prices ruled firm at previous levels.

Broenner's.—There was little to report in this market again last week. Quotations were unchanged and demand continued quiet.

Cleve's.—Shipments were moving out at a slow pace throughout the week. No change was disclosed in quotations.

Gamma.—A firm tone continued in prominence in this market again last week, sellers were holding to previous prices. Demand was irregular.

Salicylic. — Demand from routine

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

consumers was sufficient to give the market a steady to firm price tone.

Sulphanilic. — This market noted little change during the course of the week just closed, in that sellers were asking previous prices and demand was highly irregular, usual buyers were not covering beyond actual needs.

Tobias. — Although new developments were lacking in this market, usual buyers were ordering out moderately, sellers reported quotations were unchanged.

Other Intermediates

Anilin Oil.—A good demand was reported in this market at intervals during the week. Prices were well maintained.

Benzidin Base. — Shipments were moving out at a highly irregular pace throughout the week, and prices were well held.

Betanaphthol.—This market continued to note a favorable buying movement throughout the week. Prices were well maintained.

Dinitrobenzene. — Shipments were moving against contracts at a fair clip throughout the week. No change was disclosed in quotations.

Dinitrotoluene. — This market presented little change from recent weeks, in that demand was good and quotations were well maintained.

Metanitroparatoluidin. — Usual consumers furnished a fair demand here again last week. Quotations ruled unchanged.

Nitrobenzene. — Although the market noted a highly irregular call again last week, consumers being rather conservative in releases against contracts, prices were well held.

Orthocresol. — Continuance of a good demand was reported in this direction again last week. No change was disclosed in quotations.

Orthodichlorobenzene. — This market noted an active inquiry throughout the week, sellers reporting prices were well held.

Phthalic Anhydride. — Demand in this market continued at a good pace throughout the week. No change was disclosed in quotations.

Toluidin. — Although the call showed a tendency to drag at times during the week, prices were unchanged.

Xylidin. — A firm tone was in evidence in this market again last week. Demand was fair.

Coaltar Colors

Business in the market for coaltar dyes continued at an irregular pace throughout the week. Prices were steady. The domestic cotton cloth mills continued to show an unfavorable trend during the week, sales of cloth were considerably below current output in the aggregate, manufacturing margins on standard, unfinished goods were reduced, and mill activity showed a slight downward trend. The trade in dyestuffs in United Kingdom during the first quarter of 1937 was definitely satisfactory to the producers of dyes. An improvement in conditions in the textile industries resulted in increased deliveries against contracts of chemicals and dyestuffs used by the wool, cotton, silk and rayon trades. A shortage of certain types of cotton yarns during the quarter had, however, a decreasing effect upon sales of dyestuffs to yarn dyers. The dyers of woolen piece goods and yarns were perhaps the best customers of color manufacturers during the period as heavy buying orders for woolens came from both domestic and foreign sources. The consumption of dyestuffs by the carpet manufacturing industry continued in the same large volume maintained during the past two years. There were fluctuations in the sales of colors to the leather industry, although considerable quantities were taken by the dyers of soft leathers like suede, etc., according to the consul at Manchester.

Columbian Carbon Insures Force

The Columbian Carbon Company has adopted a comprehensive insurance plan covering all its employees and those of its eleven subsidiaries, the entire cost being borne by the company. Included in the plan are annuities supplementing the Federal old age pensions covering that part of the salary in excess of $3,000 not provided for under the social security act.

Rogers & Hubbard Company fertilizer plant, at Portland, Conn., was seriously damaged by fire September 2.

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Other Koppers Products
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Dyestuffs and Textile And Leather Chemicals

Further Advance in Egg Products—Valonia and Mangrove Bark Higher—Wattle Bark Firm—Dyestuffs Continue Slow—Alumina Chloride Quiet—Irregular Call for Corn Derivatives

Business in the market for dyestuffs and tanstuffs continued highly irregular throughout the week just closed. Manufacturing consumers in all quarters of the market appeared to be adhering to a hand-to-mouth buying policy. Indications were that manufacturers were awaiting some betterment in retail buying before broadening production schedules. Changes in the market included an advance in egg products, mangrove bark and valonia.

Advance in price for egg products was not unexpected, for stocks of imported material were at a relatively low level, and the pronounced hostilities between China and Japan have resulted in a rather pessimistic outlook regarding Fall production in China. Prices for egg products were strictly nominal. Corn derivatives retained a steady price tone. Talk in Washington was concerned with a proposal being studied by the Department of Agriculture looking toward control of potato production. The yield for this year has been estimated at 400,000,000 bushels. Sales of cotton textiles continued to run below current production. A cotton crop of 16,098,000 bales has been estimated, based on September 1. This is an increase of 505,000 bales over the August 1 estimate. Bichromates continued firm. Myrobalans were quiet. Alumina chloride held steady. Antimony salt was dull. Zinc dust remained steady, reflecting the steady tone in the basic material.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Albumen, egg, 5c. per lb.
Egg yolk, 3c. per lb.
Mangrove bark, 50c. per ton.
Valonia, $1 per ton.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week	Prev. week.	Last month.	Last year.
155.2	154.1	154.1	152.3

Market news that may have developed after this report was sent to press will be found on page 4.

Chemcials

Alumina Chloride. — This market continued to experience an irregular demand during the week. Sellers were holding to the prices in order previously.

Antimony Salt. — A highly irregular buying movement was noted in this market again last week, with routine consumers ordering out supplies for actual wants only. No change was disclosed in quotations.

Potash Bichromate.—A firm tone prevailed in this market again last week, shipments were moving out at a highly irregular pace, but producers reported a favorable amount of business on the books for forward delivery.

Potash Prussiate. — The market for yellow prussiate was quiet again last week. No change was uncovered in quotations. Business in red prussiate continued along moderate lines. Prices were firm at previous levels.

Soda Bichromate.—Little change was shown in this market again last week, usual buyers continued to order out supplies at a fair pace and prices were firm at the levels in force previously.

Zinc Dust. — A steady tone prevailed in this direction again last week, prices for the basic metal was unchanged. Demand for zinc dust continued good.

Dyestuffs

Annatto.—There was little call for paste and seed annatto throughout the week under review, prices were steady to firm. The steady to firm tone resulted from the reports of a similar tone in the dealings in the primary market.

Archil.—This market continued to move at a slow pace throughout the week, usual buyers appeared to be purchasing for immediate wants only. A firm tone was in evidence, firmness in the price tone being attributed to the favorable position of supplies on hand.

Cochineal.—Although the market was a rather drab affair again last week, jobbing quantities making up the call, sellers reported quotations were firm at the levels of the preceding period.

Fustic.—Quiet prevailed in this market again last week, usual buyers were adhering to the hand-to-mouth buying policy. Prices were in conformity with the schedule in effect previously.

Logwood.—This situation offered little change over recent weeks, the demand side of the market continued quiet and prices displayed a steady to firm tone.

Quercitron.—Although demand was a highly irregular affair again last week, sellers reported quotations were steady to firm.

Sizing Materials

Albumen.—A strictly nominal price prevailed for edible egg albumen, sellers in some quarters of the market reporting that if any goods were available the price would approximate 85c. per pound. With the hostilities between China and Japan becoming more pronounced, the outlook for the Fall crop was anything but optimistic.

Dextrin.—A fair buying movement was reported in this market again last week, sellers reporting prices ruled at the levels in effect previously. Reports from Washington stated that Government agricultural experts were studying a proposal to control potato production in United States. A 400,000,000-bushel yield has been forecasted for this year.

Egg Yolk.—This market continued to note a nominal price position, supplies being small. Sellers in some quarters of the market indicated that supplies would bring 60c. per pound.

Starch.—Demand here was fair. Quotations displayed a firm tone. Late corn was favored in the eastern parts of the belt, but in many western areas much of the crop was beyond the stage where rain would help. The reaction to colder weather the latter part of the week was beneficial in retarding the abnormally rapid maturity in some portions. Corn is maturing satisfactorily in Ohio, while progress and condition were fair to excellent in Indiana. In the last named state considerable early crop is safe from frost damage and the bulk of the remainder is expected to be safe in about two weeks. Warm weather ripened corn rapidly in Illinois and condition is generally fair to very good. Much will mature in two to three weeks, particularly in northern portions. In Missouri corn is maturing too rapidly in some parts and much has passed the stage where rain would benefit it. Early is mostly very good, while the later is only fair in dry areas with much firing. In Kansas the bulk of corn is beyond the stage where rains would help, although in Nebraska showers were helpful to some late corn—considerable is out of frost danger in the latter state. Late corn improved where moisture was sufficient in the Dakotas and much safer from frost damage in Minnesota.

Tanning Materials

Divi-Divi.—Demand continued to move at a slow pace throughout the week under review, prices were strictly nominal.

Gambier.—This market noted little change from recent weeks, usual consumers were ordering out relatively small quantities of Singapore cubes and plantation gambier, but prices ruled unchanged. The call for common gambier was fair, prices were strictly nominal.

Mangrove Bark.—An advance of 50c. per ton was noted in mangrove bark, sellers were asking $25.50 to $26 per ton.

Myrobalans.—This market was much the same as in the preceding period, usual buyers of the J1 material were measuring commitments by actual needs and prices were firm. There was little to report in the R2 item and J2 merchandise, with prices displaying a steady tone.

Quebracho.—A fair call was in evidence for this product again last week. No change was noted in prices. The British Import Duties Advisory Committe announces that applications have been received for the restoration of the general ad valorem duty of 10 percent on solid insoluble quebracho extract, and for drawback in respect of solid insoluble quebracho extract used in the manufacture of soluble quebracho extract, whether or not mixed with other tanning extracts. Interested parties are advised to make any desired representations in regard to these applications by September 23.

Valonia.—A firm tone prevailed in this market, sellers were asking $49 per ton for beards and cups were priced at $32.50 to $34.50 per ton.

Wattle Bark.—Demand was highly irregular throughout the week. The market displayed a decidedly firm tone, for a firm tone was noted in the dealings in the primary market.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Coaltar Dyes Output by Classes of Application

Production, sales, and value of domestic coaltar dyes in the United States in 1936 and 1935 have been tabulated by the Tariff Commission on the basis of classes of application as follows:—

Production

Class of application.	Pounds 1936.	Pounds 1935.
Acid	15,974,423	14,593,740
Basic	5,727,303	5,380,068
Direct	*29,907,629	26,073,439
Acetate silk	2,389,885	1,966,276
Lake and spirit-soluble	2,722,807	2,081,012
Mordant and chrome	6,639,112	6,264,133
Sulphur	20,717,289	16,949,148
Vat, total	34,449,513	27,908,296
a. Indigo	18,039,419	13,614,238
b. Other	16,410,094	14,294,058
Unclassified	995,185	710,555
Totals	119,523,146	101,962,661

Sales

Class of application.	Pounds 1936.	Pounds 1935.
Acid	15,528,825	14,168,009
Basic	5,465,227	4,974,882
Direct	*29,495,273	25,087,369
Acetate silk	1,943,406	1,479,600
Lake and spirit-soluble	2,624,777	2,063,120
Mordant and chrome	6,234,937	6,308,840
Sulphur	20,812,369	17,069,957
Vat, total	34,557,262	26,180,465
a. Indigo	17,848,853	14,051,451
b. Other	16,708,409	12,129,014
Unclassified	910,747	682,213
Totals	117,572,823	97,954,464

Class of application.	Value 1936.	Value 1935.
Acid	$11,933,721	$11,077,102
Basic	4,905,755	4,338,892
Direct	*17,497,791	13,147,875
Acetate silk	2,473,296	1,879,736
Lake and spirit-soluble	1,714,916	1,277,092
Mordant and chrome	3,116,262	3,041,479
Sulphur	4,635,256	3,798,351
Vat, total	16,611,526	12,272,209
a. Indigo	2,889,105	2,452,243
b. Other	13,722,421	9,819,966
Unclassified	797,034	655,625
Totals	$63,685,557	$51,488,361

* Includes rapid fast dyes and rapidogene dyes.

Rayon Trade Parley Date Set

September 16 has been definitely set by the Federal Trade Commission as the date of the trade practice conference of producers of rayon or other cellulose-base manufactured yarns or fiber. The conference will be held in the Hotel New Yorker, this city, beginning at 11:00 a.m. daylight time.

Chemical Imports In July Continue Decline

(Continued from page 3)

heavy, receipts of the former being recorded at 680,000 pounds and the latter at 887,000 pounds, bringing the totals to 10,950,000 pounds and 6,443,675 pounds, respectively, for the first seven months of the year. During the same seven months of 1936 imports of crude glycerin were recorded at 3,749,600 pounds and refined at 280,500 pounds.

Gums, resins, and balsams—chiefly varnish gums—continue to be imported in large quantities, the total for July being valued at $995,000 against $1,156,500 in June and $736,000 in July, 1936. In this classification receipts of shellac and other natural varnish gums aggregated 7,281,000 pounds in July compared with 8,340,400 pounds in June and 6,400,000 pounds in July last year.

Other items on the chemical and related product list recording gains in July compared with July, 1936, included codliver oil, receipts of which increased in value from $251,000 to $298,000; carnauba wax, from $91,500 to $311,000; vegetable wax, from $47,000 to $80,000; essential oils, from $371,000 to $472,000; dyeing and tanning materials, from $562,600 to $964,000; and soaps and toilet preparations, including perfume materials, from $194,000 to $260,000.

Imports of coaltar products valued at $1,475,000 in July were substantially the same as for July, 1936; medicinal materials declined from $996,000 to $973,000; and casein from $79,000 to $15,600.

British Dye License Advisers Are Named

LONDON, Sept. 2, 1937.

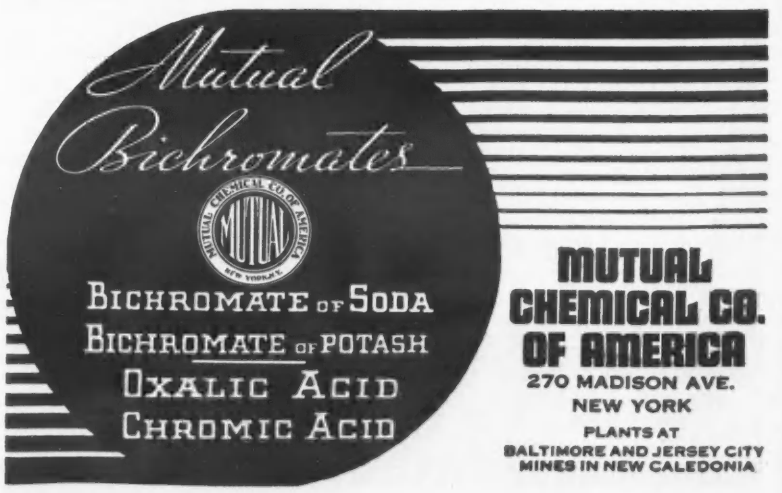
The Board of Trade has reappointed Sir Robert Wadington to be chairman and S. T. Kinsman, Sir Henry Sutcliffe Smith and W. J. U. Woolcock to be members of the Dyestuffs Advisory Licensing Committee after a further three years. The board has also appointed Sir Miles E. Mitchell to be a member of the committee for three years.

The committee was set up in 1934 under the dyestuffs (import regulation) acts of 1920 to 1934, with Sir Robert Wadington as the first chairman. He is a cotton manufacturer. Sir Henry Sutcliffe Smith is a director and member of the executive committee of the Bradford Dyers' Association. W. J. U. Woolcock was general manager of the Association of British Chemical Manufacturers, 1918-28, and president of the Society of Chemical Industry, 1924-26. Sir Miles E. Mitchell is chairman of the Manchester Raw Cotton Company.

U. K. Water Softeners Organize

The Association of Water Softener Manufacturers has been registered in London to promote the interest of members throughout Great Britain and Ireland, according to information received at the Department of Commerce from the trade commissioner in London. Membership includes:—Aquamellis Engineering Company, Economic Water Softeners, Essex Water Softeners, Eff Bee Water Softeners, Silical Water Softeners (Domestic), Universal Domestic Products, Water Purifiers, and Domestic Appliances.

It is reported that Burgess Zeolite Company, Ltd., will manufacture zeolite in a new factory at Hinckley. Operations are scheduled to commence this month.



Paint, Varnish, Lacquer Materials

Batavia Dammar Gums Rise—Singapore No. 1 Also Up—Several Increases in Price of Copals—Naval Stores Quiet —General Trade Improved

A wave of higher prices scattered throughout the list of natural resins featured the market for paint, varnish and lacquer chemicals last week. The advance embraced standard Batavia dammar, No. 1 Singapore gum, several of the Manila lobas and spirit soluble Manila, and Batu nubs and chips. Mixed A/D Batavia dammar and other Batavia gradings were also included in the rise. The advances were substantial ones and the movement was the most important price shift for these products in recent months, both in severity and the number of gradings affected.

The general purchase of raw materials for the manufacture of surface coatings showed some improvement following the Labor Day holiday. Buying activity was far from brisk but it was definitely better than the trading through the Summer months. Hardening of general commodity market prices in the middle of the week stimulated some interest in forward needs.

Contract purchasers of white lead were taking in their full commitments at the prices that were in force prior to the price advance August 31. Corroders were not taking business beyond September delivery. Fourth quarter prices for materials sold on three-month contracts have not been mentioned around the market yet.

Domestic business in rosin and turpentine continued quiet last week and there was no improvement in the export inquiry despite the growing political conditions abroad. Dark grades of rosin displayed weakness at times but changes in most instances were within moderate limits. Receipts were liberal but daily offerings in primary markets were comparatively light.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Gum, copal, E. I., Batu, nubs and chips, ¼c. per lb.
Manila, Lobas, A, B, C, 1c. to 1¾c. per lb.
CBB, DBB, WS, ⅛c. to ⅜c. per lb.
Pontianak, bold, ½c. per lb.
dammar, Batavia, A/E, E, A/D, F, D, ⅜c. to 1c. per lb.
Singapore, No. 1, ¾c. per lb.

Reduced

Gum, copal, Hiroe, chips, ½c. per lb.
Rosin, gum, 5c. to 30c. per 280 lbs.
Turpentine, gum, ½c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
134.6	**134.6**	**133.4**	**129.9**

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

The trade was believed to have been fairly well booked up on September needs and last week's trading was irregular. The aggregate of metal sold for the week was not impressive. Prices continued at 6.35c. per pound at East St. Louis and 6.50c. to 6.55c. per pound at New York. There was very little October business done last week although it has been estimated that about a quarter of the October business expected has been already booked.

Zinc continued tight and the price was firm. Domestic stocks of zinc were 11,227 tons at the end of August against 13,561 tons at the end of July and 86,046 tons at the end of August last year, according to the American Zinc Institute August production was 48,309 tons against 49,181 tons in July and 43,452 tons in August last year. August shipments were 50,643 tons against 49,701 tons in July and 46,013 tons in August last year. Unfilled orders totaled over 100,000 tons. Imported material is selling freely here now and domestic producers were glad of it so that the tightness might be relieved somewhat. August sales of prime Western zinc sold by eleven companies totaled 2,674 tons for August delivery at a weighted average price of 7.18c. per pound, East St. Louis, and sales for subsequent delivery were 14,201 tons at a weighted average price of 7.149c. per pound, according to the American Zinc Institute.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from September 4 to September 10, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0650@.0655	$0.0635	.. .. ..
Monday	*.....@.....	*.....	21 15 0
Tuesday	.0650@.0655	.0635	22 0 0
Wednesday	.0650@.0655	.0635	22 7 6
Thursday	.0650@.0655	.0635	21 18 9
Friday	.0650@.0655	.0635	.. .. ..

* Holiday.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from September 4 to September 10, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0760	$0.0725	.. .. ..
Monday	*.....	*.....	22 13 9
Tuesday	.0760	.0725	22 17 6
Wednesday	.0760	.0725	23 5 0
Thursday	.0760	.0725	22 17 6
Friday	.0760	.0725	.. .. ..

* Holiday.

Pigments

White lead has been the fastest mover in the pigment market so far this month. Contract buyers were taking their full commitments at prices that were agreed upon prior to the increase in prices on August 31. Other pigments showed mild improvement in purchasing interest last week. Titanium pigments moved faster and so did zinc oxides. Lead-in-oil continued very slow in the local area because of the painters' strike which was in its third week. Nothing has been mentioned yet regarding fourth quarter prices for metallic pigments.

White Lead.—Contract buyers were taking in their full allowances at the prices that were in effect prior to the ½c. per pound advance in the price of dry basic sulphate and dry basic carbonate which took place August 31. Corroders were not taking any business for delivery beyond the end of the month. Spot or non-contract buyers covered up on their needs just prior to the effective date of the recent advance in price.

Red Lead.—Buying improved a little but the market was still slow in spots. A firm metal market has stimulated purchasing interest among some of the larger buyers but general trade did not improve sufficiently to stir the interest of the intermediate and the smaller sized purchasers. Prices for car lots and l.c.l. quantities remained unchanged all week.

Litharge.—The market was still described as having been slow but there has been an improvement of purchasing interest from some of the larger buyers. Whether this resulted from the stiffening movement in some commodity values during the week or from a seasonal broadening of manufacturing activity, the sellers did not say. Prices remained unchanged and steady.

Lithopone.—The manufacturers in the East could not point to any material increase in business since the so-called termination of the Summer season. Orders for deliveries were small in size and the rate of frequency was not active. Prices continued unchanged.

Titanium Pigments.—The compound pigments and titanium dioxide moved into consumption at a faster rate. The demands were not what might be called brisk but gauged by the quickened demands during the past two weeks, the market should strike a seasonal stride during the next week or so. Prices continued at the levels that

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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STOCKS CARRIED AT MAJOR SHIPPING POINTS

were established at the beginning of the current quarter.

Zinc Oxides.—The improvement in the demands for supplies was slight last week. Much of the small improvement came from the paint manufacturing industry. The rubber tire makers were waiting on the automobile industry to accelerate its production schedules before going ahead with increased tire output. Prices remained unchanged and there has been no mention of a change for the year's final quarter.

Fillers and Extenders

Inert pigments, fillers and mineral whites were in much the same position as the opaque pigments. Trade was a little better than it had been but not by much. In the opinion of some of the local jobbers and importers, trade has not decreased since the beginning of the month but there was a little better interest and the buyers appeared to be a little more forward looking about replacements. There were no changes in prices reported.

Asbestos.—Preliminary figures released by Commerce Department, show exports of asbestos and asbestos products to have attained a value of $178,589 in July compared with $169,787 in June and $153,873 in July, 1936. Imports of asbestos reached a value of $993,653 in July, an increase of approximately $100,000 over the $893,756 June total and well ahead of the July, 1936, figure of $590,669.

Bentonite.—There has been no change of price since this article was last reported. Quotations for car lots at the producing points were $16 per ton for the fine mesh and $11 per ton for the coarser grade.

Whiting.—Grinders of chalk and limestone whiting have not made any changes in their quotations. Prices have been in a firm position. The demands of the trade were rather mild.

Dry Colors

There was a mixed sort of business in the color market last week. The earth color suppliers were doing a nice business, part of which may result from the fact that one of the leading suppliers plant has been shut down because of labor troubles for the past several weeks. This company, however, is still able to make many deliveries from stock points. The chemical color makers reported a slow sort of a market and could not point to much of an improvement over the type of business done in the past several weeks.

Carbon Black.—Although improved somewhat over the August rate of black takings, September business in the Akron tire district was not so promising as might be expected ordinarily. The needs of the tire replacement market seemed to be satisfied as a result of the heavy production during the first part of the year; the production of tires for new cars is small awaiting the acceleration of the production schedules among the motor car manufacturers. Black prices continued steady and unchanged. Although Germany has exerted strenuous efforts to restrict imports of carbon black into the country by means of producing black pigment substitutes, imports showed a considerable advance the first half of this year. Statistics supplied by the Department of Commerce showing imports of carbon black into Germany and the share of the United States in the trade for the first six months of 1934 to 1937, inclusive, follow:—

	Metric tons	
First half	Total imports.	From U.S.
1934	4,041	3,956
1935	5,953	5,806
1936	3,298	3,219
1937	5,463	5,265

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Chrome Green.—Prices for C.P. and reduced greens continued unchanged and were held at the schedule that has been in force for some time. Demands were moderate and emanating from the regular channels of consumption.

Mercuric Oxide.—As reported in the late market summary of last week's issue, prices for the technical yellow grade were reduced 10c. per pound to the basis of $1.49 per pound. There was no change in the price of the red oxide.

Persian Gulf Oxide.—There has been no recent change in the price of this red. The market appeared to have been in a steady position under routine demands.

Ultramarine.—Prices for jobbing grades, cobalt and other types were unchanged and the schedule has been untouched for some time. Demands were fair.

Varnish Gums

The strength of recent weeks which resulted from light supplies in the primary markets took the form of a higher price status on many gradings in the dammar and copal groups last week. A wave of advances in prices embraced gradings in the Manilas, Pontianaks, East India gums, and, in both the Batavia and Singapore dammar markets. The increased prices stimulated trade to a fairly good degree last week.

Copals.—Included in the price advances last week were Batu nubs and chips which were increased ¼c. per pound to 3⅝c. Others were:—Genuine bold Pontianak, 16½c. per pound, up ½c.; Loba A, 12c. per pound, up 1¾c.; Loba B, 11⅝c. per pound, up 1⅜c.; Loba C, 11¼c. per pound, up 1c.; CBB, 8¾c. per pound, up ⅜c. per pound; DBB, 8¾c., up ⅜c. per pound; and WS, 8¼c., up ⅛c. per pound. Hiroe chips were offered at 5¾c. per pound, a decline of ½c. per pound. All of the aforementioned prices were for car lot amounts and subject to the usual differentials for smaller quantities.

Dammars.—The price for A/E Batavia gum was advanced 1c. per pound to 16¾c. Other advances during the week were:—Batavia E, 8½c. per pound, up ⅜c.; A/D, 19⅝c. per pound, up ¾c.; F, 7¼c. per pound, up ½c.; D, 16⅞c. per pound, up ¾c. per pound. No. 1 Singapore dammar advanced ¾c. per pound to the basis of 16⅞c. per pound. These prices were also for car lot amounts and subject to the usual differentials for smaller quantities.

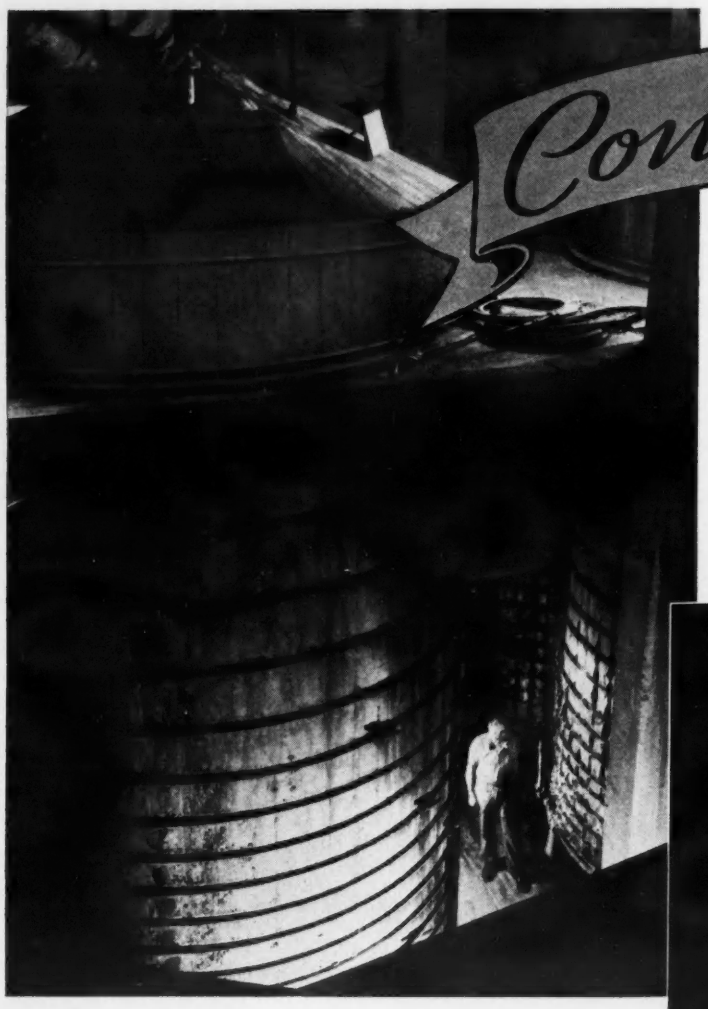
Synthetic Resins

Solid resins and solutions moved into the hands of the buyers in better fashion last week. Suppliers interviewed last week uniformly reported a gain in the takings against contracts and also in open order business. There were no price movements reported in the group of materials included in this division of the market.

Naval Stores

The naval stores situation presented few features of interest. The tone of southern and local markets was regarded as steady or firm much of the time, but there was little change in the character of trade. With the advance of the Fall season some broadening of domestic business is anticipated, but purchasing operations last week were the same narrow sort noted in recent preceding periods, the change for the worse in political news from abroad, the break in the market here for securities and the downward trend of various commodities making consumers disposed to adhere to a very conservative course in the taking of fresh supplies. The attitude of foreign buyers was still disappointing, the spread of hostilities in the Far East and the threatening political situation in Europe failing to find reflection in any improvement in the foreign inquiry for rosin.

Offerings of rosin and turpentine in primary markets from day to day were light or moderate as a rule despite a continuation of liberal receipts. Frequent rains in parts of the southeast during the past two weeks are said to have curtailed production to some extent but the unfavorable weather failed to hamper marketing operations. It was noticeable, however, that there was still a tendency in some quarters to revise estimates of the production downward. In the opinion of some the indications now point to an output for the season of about the same size as in the previous year. At one time earlier in the season estimates of the probable production ranged from 10 to 15 percent over last year. The reduction in crop ideas is attributed by some to labor troubles in various parts of the



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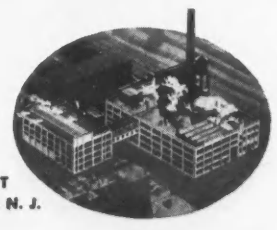

PLANT
TRENTON, N. J.

South and the less remunerative prices than prevailed earlier in the year.

According to consular advices from Bordeaux, the domestic demand in France for turpentine dropped in July after showing earlier improvement, and export trade was also quieter. At the close of July stocks of turpentine in France were abundant, while supplies of good grades of rosin were small, although the holdings of pale descriptions were about normal. The third dip for the season was completed during the month and the fourth dip started under favorable weather conditions. Production from this year's operations is expected to be 10 percent over that of last season, with the quality normal. Exports of rosin from France during the first six months of 1937 were 14,993 tons, while turpentine shipments were 412 metric tons, these figures comparing with 14,876 and 206 metric tons, respectively, in the same time last year.

Climatic conditions in Mexico during July were favorable for naval stores operations and the output of gum was satisfactory to producers, according to consular advices from Durango. Sales of turpentine for the month were 24,000 gallons, all to the United States. Rosin sales for the month were 325 metric tons, of which 130 were exported, the remainder being taken by domestic consumers. Stocks at the close of July were approximately 300 metric tons of rosin and 44,000 gallons of turpentine.

Turpentine.—The local market was a small and rather featureless affair last week. In the absence of anything stimulating in the way of market developments in the South, purchasing here was mainly of the hand-to-mouth variety, and the movement of small lots for the week was apparently lighter than in the previous period. Price movements were generally narrow in company with the course of quotations in primary centers.

SAVANNAH, Sept. 10.—The turpentine market was fairly active. The undertone was steady. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
Saturday	31	169	671	40	35,038
*Monday	..	...	...	...	.....
Tuesday	30½	291	654	331	35,361
Wednesday	30½	181	1,113	35	36,439
Thursday	31	189	1,433	141	37,731
Friday	30½	164	612	10	38,333

* Holiday.

JACKSONVILLE, Sept. 10.—A steady tone prevailed in the turpentine market. Following is a record of the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
Saturday	31	97	200	...	30,062
*Monday	..	...	...	...	.....
Tuesday	30½	103	387	...	30,449
Wednesday	30½	74	247	...	30,696
Thursday	30½	...	200	...	30,896
Friday	30½	507	172	5	31,063

* Holiday.

PENSACOLA, Sept. 3.—Turpentine was quiet and steady. Following is a record of the market for the week:—

	Barrels Re-ceipts.	Ship-ments.	Stocks.
Monday	232	...	23,155
Tuesday	194	...	23,349
Wednesday	102	...	23,451
Thursday	101	...	23,552
Friday	54	...	23,605
Saturday	90	80	23,616

CHICAGO, Sept. 10.—Both retail and wholesale ends of the turpentine industry have been doing a little better. Orders have been somewhat brisker. Little shading of prices is reported. Ruling prices at the close of business last night were:—Five-drum lots, 41c. per gallon; five wood barrels, 46c.; single drums, 44c.; single barrels, 49c.

LONDON, Sept. 10.—Quotations on turpentine were as follows:—

	Per cwt. in bbls. s.	d.
Saturday	35	3
Monday	35	3
Tuesday	35	3
Wednesday	35	3
Thursday	35	3
Friday	35	3

Stocks of American turpentine in London were:—

	Sept. 10.	Previous week.	Last year.
Barrels	14,063	13,355	11,394

Rosin.—Quiet conditions prevailed here last week, buyers being disposed to limit their takings as a rule to small lots to fill current needs. Dark rosins displayed weakness at times, but changes in other grades were generally moderate. The foreign inquiry continued to be reported as disappointing, comparatively few inquiries being received from any quarter. Receipts m primary centers were liberal, although production was said to have been curtailed to some extent by unfavorable weather.

SAVANNAH, Sept. 10.—Changes in quotations on most grades of rosin were narrow. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— Sat.	*Mon.	Tues.	Wed.	Thurs.	Fri.
B	$7.95	...	$7.90	$7.50	$7.50	$7.50
D	7.95	...	7.90	7.50	7.50	7.50
E	7.95	...	7.90	7.50	7.50	7.50
F	7.95	...	7.90	7.82½	7.80	7.80
G	7.95	...	7.90	7.82½	7.80	7.80
H	7.95	...	7.90	7.82½	7.80	7.80
I	8.00	...	7.95	7.82½	7.80	7.85
K	8.05	...	8.00	7.82½	7.85	7.90
M	8.07½	...	8.05	7.95	7.90	7.92½
N	8.10	...	8.05	8.05	7.95	8.00
WG	8.25	...	8.25	8.25	8.20	8.30
WW	8.80	...	8.80	8.80	8.65	8.65
X	8.80	...	8.80	8.80	8.65	8.65
Sales	124	...	107	448	521	618
Receipts	1,541	...	1,760	2,648	1,983	1,525
Shipments	...	...	4,912	295	305	...
Stocks	57,204	...	54,052	56,405	58,083	39,608

* Holiday.

JACKSONVILLE, Sept. 10.—Rosin was quiet. Offerings were moderate and the tone was steady. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— Sat.	*Mon.	Tues.	Wed.	Thurs.	Fri.
B	$7.80	...	$7.80	$7.80	$7.80	$7.50
D	7.85	...	7.85	7.85	7.82½	7.50
E	7.85	...	7.85	7.87½	7.82½	7.50
F	8.00	...	8.00	7.87½	7.82½	7.82½
G	8.05	...	8.00	7.87½	7.82½	7.82½
H	8.05	...	8.00	7.87½	7.82½	7.82½
I	8.05	...	8.00	7.87½	7.82½	7.82½
K	8.05	...	8.02½	7.90	7.82½	7.82½
M	8.07½	...	8.02½	7.90	7.82½	7.85
N	8.10	...	8.05	7.95	7.85	7.90
WG	8.10	...	8.10	8.00	8.00	8.00
WW	8.65	...	8.65	8.55	8.50	8.50
X	8.65	...	8.65	8.55	8.50	8.50
Sales	222	...	569	377	302	248
Receipts	535	...	1,145	878	821	698
Shipments	35	...	100	15	15	170
Stocks	30,523	...	31,568	32,431	33,237	33,705

* Holiday.

PENSACOLA, Sept. 3.—The rosin market was quiet. Following is a record of the market for the week:—

	Barrels Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	563	683	314	327	187	237
Shipments	771	3,115	531	209	81	81
Stocks	25,961	23,529	23,312	23,430	23,536	23,692

CHICAGO, Sept. 10.—Business has shown a tendency to pick up a bit in the last few days in the rosin market. There is a better tone. With Labor Day out of the way it is thought possible this market will continue in good position. Ruling prices are:—B grade, $10.90 per lot of 280 pounds; G grade, $10.90; M grade, $11.05; W.W. grade, $11.80.

LONDON, Sept. 10. — Quotations on American rosin were as follows:—

	Per cwt. in barrels— Common. s.	d.	W.W. s.	d.
Saturday	19	6	21	3
Monday	19	6	21	3
Tuesday	20	0	21	9
Wednesday	20	0	21	9
Thursday	20	0	21	9
Friday	20	0	21	9

Pine Oil.—The movement into consuming channels held up well and, although new business was rather quiet, the market remained firm on the basis of previous quotations.

Pitch.—A firm tone prevailed, but aside from this the situation lacked features of interest. Purchasing was of the conservative character noted in recent preceding weeks.

Rosin Oil.—Quotations were generall stationary in the absence of any material change in the primary situation, the tone of the market being steady. Trade was on a fair scale.

Tar.—Business was fairly active, the requirements of local and other consumers apparently being up to those of recent preceding weeks. The market had a firm tone.

Shellac

Some reports suggested that deliveries of shellac against contracts had improved somewhat. While reports to that effect were not general, it was evident that some found a moderate improvement in the consumption of the item in its several forms. The general position of the market was counted steady. The fact that prices abroad have remained fairly stable through a period of not very active demand is being interpreted by some as a sign that resumption of more active trading may be accompanied by rising prices. Spot quotations lacked change last week.

Calcutta, Sept. 10.—Calcutta quotations basis of sterling exchange at $4.88, for shellac for later delivery have been as follows:—

	Per pound— Sept. 10.	Sept. 3.
September	10⅝c.	10¼c.

Quotations in cents per pound were subject to correction in accordance with the rate of exchange prevailing on London.

Day-to-day prices were as follows:—

	Per pound.
September 3	10¼c
September 4	No cables
September 6	Holiday
September 7	10¼c
September 8	10¼c
September 9	10⅛c
September 10	10⅝c

London, Sept. 10.—London prices quoted on pure T. N. c.&f. New York, basis of

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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sterling exchange at $4.88, were as follows:—

	September 10		September 3	
	Shillings. Cwt.	Cents. lb.	Shillings. Cwt.	Cents. lb.
October ..	47½	10.3	46	10
December..	48½	10.5	47	10.2

Prices in cents per pound were subject to correction in accordance with the rate of exchange prevailing on London.

Day-to-day closing prices were as follows:—

	Per hundredweight	
	October.	December.
September 3.....	46s ..	47s ..
September 4.....	46s ..	47s ..
September 6.....	Holiday	
September 7.....	46s 6d	47s 6d
September 8.....	47s ..	48s ..
September 9.....	48s ..	49s ..
September 10.....	47s 6d	48s 6d

Lacquer Materials

Business in the market for lacquer materials continued highly irregular throughout the week, sellers were holding firmly to previous values, and consumers were covering for nearby production requirements. The market was without a specific price feature. Shipments from motor-vehicle factories in the United States and Canada in August amounted to 410,200 units, according to a preliminary estimate made by the Automobile Manufacturers Association. This was an increase of 49 percent over the same month a year ago. The industry's factory shipments for the eight months of the year were estimated at 3,784,400 cars and trucks, an increase of 14 percent over the same period in 1936. The volume for eight months has been exceeded in only one previous year, 1929.

Acetone.—A fair demand continued for this product throughout the week. Price were firm.

Butyl Acetate.—Business here was quiet throughout the week. No change was disclosed in quotations.

Butyl Alcohol.—This market presented little change during the course of week just closed. Sellers reported demand was fair and quotations were well maintained.

Dibutyl Phthalate.—This market displayed a steady to firm tone again last week. No change was uncovered in quotations.

Ethyl Acetate.—A firm tone prevailed here again last week, shipments were moving out at a fair pace. No change was disclosed in quotations.

Film Scrap.—A favorable inquiry was reported in this market again last week. Prices held firm.

Driers

Although stearate production costs would warrant higher selling markets, there was a feeling in certain quarters that prices might continue without change. The sellers will probably make the position for the fourth quarter known within a week or so. There has been no change reported in the resinates.

Glues and Binders

Casein.—Prices continued to vary according to source. The Western prices were cheaper than the Eastern quotations. In the West, sales were still reported around 12½c. to 12¾c. per pound for car lots of the 20-30 mesh. In the East, the market was 13c. to 13½c. and even higher prices have been paid for special grades. The paper companies were buying in good fashion now. Argentine continued in a nominal position. Production in South America should start its seasonal increase now and reach its peak around December.

Glues.—Competitive selling was still reported in certain quarters. However, there was very little buying going on and the shaded prices were merely quotations in a great many cases. The majority of the sellers have not revised quotations but were meeting competition in some instances.

Trade Organizations In A.T.A.E Contest

Industrial and business achievement on a broad front, by which the general consuming public has benefited, is represented in the entries made by trade associations in the sixth award contest sponsored by the American Trade Association Executives and judged by a jury headed by Secretary of Commerce Roper, who will present the award at the French Lick, Ind., convention of the association September 23 to 25.

Thirty trade associations, representing as many industries and trades, have entered submittals in the competition for the award which was founded in 1929 by Margaret Hayden Rorke to encourage industrial self-improvement and advancement of industrial and trade standards through the medium of the trade association. The activities undertaken by the associations entered in the competition by their scope encompass benefits to the worker through increased opportunity for employment, to industry through increased trade, and to the consumer through improved products, increased efficiency, lower costs, and prevention and reduction of hazards.

Among the thirty trade associations represented in the competition are the American Dry Milk Institute, the Calcium Chloride Association, and the National Paint, Varnish and Lacquer Association.

Besides Secretary Roper, who is chairman of the jury of award, entries will be judged by Bruce Barton, of Batten, Barton, Durstine & Osborn; Harper Sibley, former president of the Chamber of Commerce of the United States; Robert Lund, president of the Lambert Pharmacal Company and former president of the National Association of Manufacturers; and Dr. Roswell C. McCrea, dean of the School of Business, Columbia University.

John D. Lewis, Inc., Engages Dr. Auer as Chief Chemist

John D. Lewis, Inc., resin manufacturer, Mansfield, Mass., has appointed Laszlo Auer as chief chemist and Robert Marx assistant chemist in the Lewis laboratories at the resin manufacturing plant.

Dr. Auer, a native of Hungary, was graduated from the German Institute of Technology, Bruenn, Czechoslovakia. He has published papers in the fields of oils, resins, factises, and rubbers. He was in charge of the research division of the British Dyestuffs Corporation, now Imperial Chemical Industries; was technical director of a lacquer and synthetic enamel plant in Budapest; and in this country, worked on research questions with the Glidden Company, Cleveland, and the Standard Varnish Works, Staten Island. He is inventor and owner of about 300 patents throughout the world.

Dr. Laszlo Auer

Dr. Marx, a native of France, was graduated from the University of Munich. He was chemist and superintendent of several paint, varnish, lacquer, and dry color plants in Denmark, Yugoslavia, Germany, and Holland. He was a member of the research department of the Standard Varnish Works.

Krebs Pigment Extending

Krebs Pigment & Color Corporation, which manufactures titanium dioxide, Baltimore, has awarded a contract for the erection of a five-story brick building, of 20,000 square feet of floor space. The structure, however, it is added, will not increase the present capacity for the production of titanium. F. C. Evans is the local manager.

Monsanto Advances C.E.Ruth

Monsanto Chemical Company, St. Louis, has placed C. E. Ruth in charge of lampblack sales handled out of the company's office in this city at 30 Rockefeller Plaza. Mr. Ruth has a chemical engineering degree from Purdue University and has had wide experience in manufacturing, research and sales. He was with the old Swann Chemical Company when it was merged into the Monsanto organization in 1933 and was made assistant manager of the phosphate division in New York in 1935.

Plastic, Cold Water Paint, Calcimine Sales in July

Sales of plastic and cold-water paints and calcimines reported by fifty-three manufacturers to the Bureau of the Census for July were as follows:—

Plastic Paints

	Pounds.	Value.
Paste, casein-bound....	123,654	$16,093
All other.....	82,068	12,438
Dry, casein-bound.....	260,035	19,703
glue-bound	134,847	7,036
Totals	600,605	$55,270

Cold-Water Paints

	Pounds.	Value.
Exterior, line or cement-bound	817,214	$61,991
casein-bound	420,712	22,769
Interior, casein-bound, paste form.....	1,471,378	127,215
dry powder form...	450,927	38,671
glue-bound	397,738	10,705
Totals	3,557,969	$261,351

Calcimines

	Pounds.	Value.
Hot water.....	4,029,093	$144,275
Cold water.....	3,085,507	145,918
Totals	7,114,600	$290,193

Sales of these products for the first seven months of the year insofar as they can be compared with those in the corresponding period in 1936 were as follows:—

	1937.*	1936.
Plastic paints.....lbs.	4,443,695	3,817,742
value.	$364,179	$304,878
Cold-water paints...lbs.	26,456,826	†13,998,600
value.	$1,957,925	†$921,012
Calcimines .....lbs.	53,584,377	47,819,654
value.	$2,274,335	$2,052,262

* Revised.
† Does not include data for casein paint in paste form for interior use, which was not called for on schedule in 1936.

Marihuana Regulations Define Bureau Duties

WASHINGTON, Sept. 8, 1937.

The first general regulations under the new marihuana tax act were issued by the Treasury Department today delegating to the Commissioner of Narcotics and the Commissioner of Internal Revenue the various powers imposed by that act on the Secretary of the Treasury.

The regulation, T.D. 28, confers on the Commissioner of Internal Revenue the duty of preparing and issuing blank order forms and appropriate revenue stamps and also the duty of compromising civil and criminal liabilities incurred under the act.

General enforcement of the act is given to the Commissioner of Narcotics with power to prescribe all necessary rules and regulations with the approval of the Secretary of the Treasury. Investigation and prosecution of violations is to be conducted jointly by the two bureaus in the same way that the Harrison narcotic act is enforced. The marihuana tax act becomes effective October 1, 1937, but neither of the two bureaus has yet issued detailed regulations under it.

Berg & Markell Agrees with F.T.C. to Rename Its Paints

WASHINGTON, Sept. 10, 1937.

Berg & Markell, Inc., Long Island City, N. Y., has entered into a stipulation with the Federal Trade Commission to discontinue misbranding and misrepresenting certain paints it sells in interstate commerce.

The company will cease using on labels, or in any other manner, the phrase, "The Original Titanium Paint," so as to imply that it was the first or original manufacturer of paints containing titanium as a pigment. Use of the word, "titanium," as descriptive of paints so as to imply that they contain titanium in substantial quantities, when such is not a fact, will be stopped.

The company also agreed to refrain from using the word, "linseed," alone or with the word, "pure," to imply that the oil content of a paint so described is composed of linseed oil. If the oil content is composed substantially of linseed oil and the word, "linseed," is used to describe it, then, the stipulation provides, the word, "linseed," shall be immediately accompanied by other words in conspicuous type so as to indicate clearly that the oil content is not composed wholly of linseed oil but in part of other oils.

Contracts Awarded

Antiseptic:—5,994 bottles; award to the Missouri Products Company, at 7.2 cents, by the Indian Service, St. Louis; schedule 18, opened April 29.

Boric Acid:—5,761 containers; award to the Missouri Products Company, at 9.3 cents, by the Indian Service, St. Louis; schedule 18, opened April 29.

Castor Oil:—15,078 bottles; award to the Missouri Products Company, at 4.9 cents, by the Indian Service, St. Louis; schedule 18, opened April 29.

Codliver Oil:—26,321 bottles; award to the Missouri Products Company, at 13.6 cents, by the Indian Service, St. Louis; schedule 18, opened April 29.
3,096 bottles; award to the William S. Merrell Company, at 19.5 cents, by the Indian Service, St. Louis; schedule 18, opened April 29.

Cresol, Saponated:—2,477 cans; award to the Murphy Products Company, at $1.10, by the Indian Service, St. Louis; schedule 18, opened April 29.

Dinitrophenol:—18,000 pounds; award to E. I. du Pont de Nemours & Co., at 33 cents, by the Commanding Officer, Picatinny Arsenal, N. J.; procurement 50, opened August 16.

Enamel Paint:—720 gallons; award to the Sherwin-Williams Company, Kansas City, Missouri, at $1.95 to $3.12 per gallon, by the Quartermaster, Fort Sill, Oklahoma; invoice 10, opened August 2.

Ergot:—925 bottles; award to the William S. Merrell Company, at 65 cents, by the Indian Service, St. Louis, schedule 18, opened April 29.

Ether:—9,649 tins; award to the Mallinckrodt Chemical Works, at 8 cents, by the Indian Service, St. Louis; schedule 18, opened April 29.

Iron, Quinine, and Strychnine:—521 bottles; award to the Meyer Brothers Drug Company, at 45 cents, by the Indian Service, St. Louis; schedule 18, opened April 29.

Liniment, Camphor and Soap:—998 bottles; award to the Meyer Brothers Drug Company, at $1.01, by the Indian Service, St. Louis; schedule 18, opened April 29.

Liver Extract:—225 bottles; award to Chappel Brothers, Rockford, Ill., at $3.33 1/3, by the Medical Section, Army Supply Base, Brooklyn, N. Y.; procurement 116, opened July 30.

Mercurochrome:—11,870 bottles; award to the Missouri Products Company, at 3.3 cents, by the Indian Service, St. Louis, schedule 18, opened April 29.

Methylsalicylate:—972 bottles; award to the Mallinckrodt Chemical Works, at 43 cents, by the Indian Service, St. Louis, schedule 18, opened April 29.

Pepsin Compound:—2,592 bottles; award to the Meyer Brothers Drug Company, at 38 cents, by the Indian Service, St. Louis; schedule 18, opened April 29.

Petrolatum, Liquid:—975 1-gallon cans; award to the Missouri Products Company, at 89.4 cents, by the Indian Service, St. Louis, schedule 18, opened April 29.

Picric Acid:—72,000 pounds; award to E. I. du Pont de Nemours & Co., at 35 cents, by the Commanding Officer, Picatinny Arsenal, N. J.; procurement 50, opened August 16.

Quinine Sulphate:—444 bottles; award to the Meyer Brothers Drug Company, at $2.46, by the Indian Service, St. Louis; schedule 18, opened April 29.

Santal:—1,685 boxes; award to the William S. Merrell Company, at 20 cents, by the Indian Service, St. Louis; schedule 18, opened April 29.

Sealing Solution, Concrete:—23,000 gallons; award to the Hunt Process Company, Los Angeles, at $3,611, by the U. S. Engineer, Los Angeles; procurement 10, opened August 3.

Silver Protein:—1,000 bottles; award to the American Pharmaceutical Company, New York city, at 43.75 cents, by the Medical Section, Army Base, Brooklyn, N. Y.; procurement 106, opened June 12.

Soap, Carbolic:—2,753 pounds; award to Armour & Co., at 13.2 cents, by the Indian Service, St. Louis; schedule 18, opened April 29.

Soap, Carbolic, Soft:—4,055 jars; award to the Crystal Soap & Chemical Company, at 14.8 cents, by the Indian Service, St. Louis; schedule 18, opened April 29.

Sodium Salicylate:—1,209 bottles; award to the Shores Company, at 31 cents, by the Indian Service, St. Louis; schedule 18, opened April 29.

N.Y. Paint Technicians Open New Season

The New York Paint & Varnish Production Club opened the new season with an attendance of 82 members at its meeting, September 9, at the Building Trade Employers' Association, this city. V. C. Bidlack, president of the federation of paint and varnish production clubs was to have addressed the meeting but could not attend because of illness. An open forum on production costs was conducted by Frank Stearns of Keystone Varnish Company. Mr. Stearns was assisted by C. M. Frey, of Devoe & Raynolds Company; J. L. Engel, of Sapolin Company; L. M. Tanner, of Murphy Varnish Company, and A. L. Planbeck, of H. B. Walker Company. Five new members were admitted to the club including John Fletcher, of International Printing Ink Corporation; F. J. Sickle, United Lacquer Corporation; Frank Hopkins, Gillespie Varnish Company; W. A. Ingrahm, Greenpoint Paint & Varnish Company, and J. S. Congleton, Maas & Waldstein. Two talking pictures on air travel supplied the evening's entertainment.

ST. JOE ZINC OXIDE

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Bids Wanted

Aluminum Bronze Powder:—1,000 pounds; for Sewall's Point; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 682, supplemental bids, September 17.

Ammonia:—1,008 16-ounce bottles; Commanding Officer, Augusta Arsenal, Ga.; circular 1, opening September 16.
Supplies; Quartermaster, Air Base, Selfridge Field, Mich.; procurement 828-4, opening September 22.
Supplies; Sales Officer, Army War College, Fort Humphreys, D. C.; procurement 917-7, opening September 17.

Bluing:—Supplies; Quartermaster, Air Base, Selfridge Field, Mich.; procurement 828-4, opening September 22.

Borax:—Supplies; Sales Officer, Army War College, Fort Humphreys, D. C.; procurement 917-7, opening September 17.

Brushes, Tooth:—Supplies; Sales Officer, Army War College, Fort Humphreys, D. C.; procurement 917-7, opening September 17.

Carbon Tetrachloride:—432 quarts; General Purchasing Officer, Panama Canal, Washington; schedule 3287, opening September 23.
2,800 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; circular 70, opening September 15.

Cleanser, Old Dutch:—Supplies; Sales Officer, Army War College, Fort Humphreys, D. C.; procurement 917-7, opening September 17.

Coaltar Pitch:—25,000 pounds; Chief Clerk, U. S. Detention Farm, Milan, Mich.; procurement 859, opening September 20.

Cutting Oil, Soluble:—1,000 gallons; Commanding Officer, Rock Island Arsenal, Ill.; circular 124, opening September 15.

Flavoring Extracts:—Supplies; Sales Officer, Army War College, Fort Humphreys, D. C.; procurement 917-7, opening September 17.
4,336 quarts of lemon, orange, vanilla for various east and west coast points; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1586, opening October 19.

Fuel Oil, Navy:—200,000 barrels for Gulf ports; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1576, opening September 28.

Lard and Lard Substitute:—Supplies; Quartermaster, Fort Howard, Md.; procurement 403-4, opening September 24.
Supplies; Sales Officer, Fort Benjamin Harrison, Ind.; procurement 384-15, opening September 16.
Supplies; Quartermaster Corps, Plattsburg Barracks, N. Y.; procurement 678-7, opening September 17.
Supplies; Purchasing and Contracting Officer, Langley Field, Va.; procurement 481-14, opening September 20.
Supplies; Purchasing and Contracting Officer, C.C.C. District, Fort Benjamin Harrison, Ind.; procurement 5501-7, opening September 16.
Supplies; District Quartermaster, C.C.C., Charleston, W. Va.; procurement 5505-5, opening September 17.

Lime, Hydrated:—20,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; circular 75, opening September 20.

Red Lead, Dry:—5,000 pounds; Commanding Officer, Augusta Arsenal, Ga.; circular 1, opening September 16.

Rust Preventive Compound:—3,000 pounds; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-57, opening September 20.

Saniflush: — Supplies; Sales Officer, Fort Benjamin Harrison, Ind.; procurement 384-15, opening September 16.
Supplies; Sales Officer, Army War College, Fort Humphreys, D. C.; procurement 917-7, opening September 17.

Shaving Cream:—Supplies; Quartermaster, Air Base, Selfridge Field, Mich.; procurement 828-4, opening September 22.

Shellac, Orange Gum:—600 pounds; Commanding Officer, Frankford Arsenal, Pa.; circular 184, opening September 14.

Shoe Polish:—Supplies; Sales Officer, Army War College, Fort Humphreys, D. C.; procurement 917-7, opening September 17.

Soap, Chip:—15,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3287, opening September 23.

Soap, Grit:—30,000 cakes; Quartermaster Depot, 1819 West Pershing road, Chicago; procurement 199-31, opening September 15.

Soap, Laundry:—400,020 cakes; Quartermaster Depot, 1819 West Pershing road, Chicago; procurement 199-31, opening September 15.
Supplies; Sales Officer, Fort Benjamin Harrison, Ind.; procurement 384-15, opening September 16.
15,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3287, opening September 23.

Soap, Powder:—20,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3287, opening September 23.

Soap, Shaving:—Supplies; Sales Officer, Fort Benjamin Harrison, Ind.; procurement 384-15, opening September 16.

Soap, Toilet:—Supplies; Quartermaster, Air Base, Selfridge Field, Mich.; procurement 828-4, opening September 22.

Soda Ash:—8,000 pounds; Commanding Officer, Augusta Arsenal, Ga.; circular 1, opening September 16.

Spar Varnish, Water-Resisting:—362 gallons; Commanding Officer, Augusta Arsenal, Ga.; circular 1, opening September 16.

Starch, Corn:—152,100 pounds, for eastern and western yards, Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1585, opening October 19.

Sulphate of Alumina:—27,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; circular 76, opening September 21.

Talcum Powder:—Supplies; Sales Officer, Army War College, Fort Humphreys, D. C.; procurement 917-7, opening September 17.

Tooth Paste:—Supplies; Purchasing and Contracting Officer, Langley Field, Va.; procurement 481-14, opening September 20.

Tooth Powder:—Supplies; Sales Officer, Army War College, Fort Humphreys, D. C.; procurement 917-7, opening September 17.
Supplies; Purchasing and Contracting Officer, Langley, Field, Va.; procurement 481-14, opening September 20.
Supplies; Sales Officer, Fort Benjamin Harrison, Ind.; procurement 384-15, opening September 16.

Trisodn Phosphate:—20,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3287, opening September 23.

Varnish, Asphaltum:—350 gallons; Commanding Officer, Frankford Arsenal, Pa.; circular 193, opening September 16.

Washing Soda:—Supplies; Quartermaster, Air Base, Selfridge Field, Mich.; procurement 828-4, opening September 22.

Cocoa Bean Meal Freights Up

The New York Public Service Commission has approved cancellation of commodity freight rates as follows:—

Of the New York, New Haven & Hartford railroad on cocoa bean meal; carload, from stations in New York and Boston groups to Buffalo and other stations specified in the tariff. Advances to class rates, effective September 1.

Barnsdall Oil Company, Tulsa, Okla., has announced the sale to the General American Oil Company, Shreveport, of its properties in the East Texas field, consisting of eighty-five wells in Gregg and Upshur counties.

Obituaries

Eugene Merz

Eugene Merz, president of the Ultramarine Company from 1902 to 1930, and former general manager and treasurer of the Heller & Merz Company, died in his home in Florham Park, N. J., September 5. He was sixty-eight years of age.

Born in this city, Mr. Merz gained his B.S. in chemistry from the College of the City of New York in 1888, and in 1892, the year of his graduation from the Columbia School of Mines, he became a laboratory assistant in the Heller & Merz Company, of which his father was a founder. He became general manager and treasurer in 1902, holding those positions as well as that of president of the Ultramarine Company until 1930, the year in which the business was purchased by the Calco Chemical Company, a division of the American Cyanamid Company. He served as a vice-president of the Calco Chemical Company until the end of 1932, thereafter acting as a consulting engineer.

Eugene Merz

He was a member of the American Chemical Society, the Society of Chemical Industry, *London, and the New York, Paint, Oil and Varnish Club, of which he was president in 1913.

For twenty-five years Mr. Merz was a director of the Federal Trust Company of Newark.

Surviving are his brother, August Merz, a vice-president of the Calco Chemical Company; four sisters, the Misses Ottilie and Elsie Merz, Mrs. Frida Kroffpfeifer, of South Orange, and Mrs. George Prochazka of East Orange, N. J. His wife, the former Elizabeth Stevens Walton, died in 1932.

James Airey

James Airey, one of the first men to operate a regular retail gasoline service station in New Jersey, died in his home in East Orange September 9 of a heart attack. He was eighty-three years old. Born in Beaver Meadow, Pa., Mr. Airey worked for some years as a coal miner. He moved to East Orange and set up a kerosene business, traveling about the countryside. One day, when automobiles were just appearing on the roads, a one-cylinder car owner, who had run out of gasoline, asked for help. Mr. Airey, having no gasoline, drove back to town and obtained a supply. He then developed a gasoline route for the few automobile owners in town, and from this gradually built up one of the most up-to-date service stations in his town. He gave up active operation of it about a year ago. Surviving him are three sons and two daughters.

George H. Bennett

George Henry Bennett, treasurer of the National Cottonseed Products Association, Memphis, Tenn., died in the Baptist hospital, that city, August 14. He was seventy years old. Born in Catasauqua, Pa., Mr. Bennett's family moved to Springfield, Mo., when he was a lad. He became a telegraph operator, and later a railroad traffic official, in Paris, Tex. In 1923 he was elected secretary of the Interstate Cottonseed Crushers' Association, the name of which was changed later to the National Cottonseed Products Association. At the death of Robert Gibson, first secretary-treasurer of the association, Mr. Bennett was made secretary-treasurer. In 1932 the organization expanded its activities, moved its headquarters to Memphis, and Mr. Bennett continued as treasurer of the association until his death. Surviving are his wife, Mrs. Frances Palmer Bennett; two sons, George Palmer Bennett of Norris, Tenn. and Allan S. Bennett of North Hampton, Pa.; two daughters, Mrs. Clint Acker, Egypt, Pa., and Mrs. Fred Baumann, Grinnell, Iowa; a sister, Mrs. Alice Lindquist, and a brother, John Bennett, both of Springfield, Mo.

Henry B. Foote

Henry B. Foote, for approximately fifty years associated with the Hale-Justis Company, wholesale druggist, Cincinnati, died September 3 in the Jewish hospital, that city, as the result of injuries received when he was knocked down by an automobile. He was seventy-five years old. Mr. Foote was manager of the company for twelve years preceding his retirement in 1930. Surviving are his wife, three sisters and two brothers.

William Friedman

William Friedman, retired chemist of Pittsburgh, died unexpectedly in Montreal, September 8, while on his annual visit to his son, Alexander Friedman. He was seventy-five years old. Born in Budapest, Hungary, Mr. Friedman came to this country early in life and made his home in Braddock, Pa. He retired from business twenty years ago. Surviving are two sons, Alexander and Nicholas Friedman, Pittsburgh; a daughter, Mrs. Paul Holles, Budapest, and a brother, Joseph Friedman, Pittsburgh.

Prof. E. F. Hitchings

Professor Edson Forbes Hitchings, naturalist, and former State Entomologist of Maine, died in his home in Orono, Me., after a long period of ill health. He was eighty-four years old. Born in Waterville, he was graduated from the Maine State College, now the University of Maine, with C.E. and M.S. degrees. He introduced a course in biology at Colby College and was professor in that department for several years. He was a charter member of the Entomological Society of America, and was also a member of the Association of Economic Entomologists, and the American Association for the Advancement of Science. Surviving are two sons, Leroy K. Hitchings, Chicago, and Samuel Lord Hitchings, Burlington.

Thomas M. Sayman

Thomas M. Sayman, president of the Sayman Soap Company, St. Louis, died in his home in that city, September 6. He was eighty-four years old. Mr. Sayman years ago conducted a road-going medicine show and from this developed the soap business which netted him a fortune. His property holdings in St. Louis included the Town Club, of which he was president for several years. In 1928 he bought a 2,400-acre development in Southwest Missouri for $105,000 and turned it over to the State for a park. Surviving are his wife, and five children.

Francis Wright Fabyan, prominent Boston business man and a trustee of the Massachusetts Institute of Technology, died in Buzzard's Bay, Mass., September 4. He was sixty-six years old. He was a member of Bliss, Fabyan & Co., until his retirement a few years ago.

William Minor, employed in the Brooklyn varnish making plant of Valentine & Co., and one of the oldest employees in the paint industry, died August 28. He was seventy-five years old. When the Valentine plant moved into Mr. Minor's neighborhood in 1870, that part of Brooklyn was considered out in the country. Mr. Minor went to work for the organization in 1877 and had served it continuously ever since.

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Oils, Fats and Waxes

Further Reduction in Refined Fish Oils—Cottonseed Oil Futures Irregular—Oriental Products Remain Nominal—Lard Compound Down—Tallow Offerings Lighter—Trade Quiet

The trend of quotations on miscellaneous oils, fats and greases continued downward last week but there were fewer reductions than in recent preceding periods and to some the tone of the market appeared to have undergone improvement. As had been expected, the monthly government report on the cotton crop, issued last Wednesday, made a bearish showing. The market for cottonseed oil futures showed more resistance to selling pressure at times, however, and the opinion existed in some quarters that the sharp decline in cottonseed oil prices in recent weeks discounted much that is bearish in the situation. Business in the general list of oils, fats and greases was quiet, the war news from abroad, the fall in securities here and the downward trend of various commodities making consumers disposed to curtail purchases and await developments.

Chinawood oil shippers were not in a position to offer and the markets here and on the coast were still nominal so far as futures were concerned, such transactions as were noted being confined to small lots of resale spot oil. Oiticica and perilla oils were firm though quiet. Coconut oil prices were stationary. Quotations on palm, corn, babassu and cottonseed oils were shaded. Refined fish oils were easy owing to the recent weakness in crude. Whale and sperm oils were steady. Cash lard was irregular in company with futures in the west where the speculation was active, with frequent fluctuations in prices. Lard compound was materially lower. Most grades of lard and neatsfoot oils as well as oleo and tallow oils were stationary. The movement of live hogs to western markets continued moderate. Tallow offerings were light and the market appeared to be steady.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Linseed meal, 50c. per ton.
Oiticica oil, ½c. per lb.

Reduced

Babassu oil, ¼c. per lb.
Corn oil, crude, ¼c. per lb.
Cottonseed oil, imported, ¼c. per lb.
Lard compound, 2c. per lb.
Lard oil, winter strained, ¼c. per lb.
Menhaden oil, refined, 2-10c. per lb.
Neatsfoot oil, extra, ¼c. per lb.
Palm oil, ¼c. per lb.
Sardine oil, refined, 2-10c. per lb.
Stearin, ½c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week	Prev. week.	Last month.	Last year.
131.9	132.1	134.2	137.8

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Babassu. — The inquiry continued light and the market remained in an easy position, quotations being shaded ¼c. per pound.

Chinawood. — Domestic markets remained quiet last week in the absence of offerings from China where the situation appeared to be still more serious than in the previous week. Futures were still strictly nominal and spot oil largely so as supplies were light and under the control of resellers. There were reports to the effect that some business has been closed in a limited way at 19c. per pound. Advices from the coast reported sales at 20c. per pound.

According to consular advices from Buenos Aires, cultivation of tung trees in Argentina during the past few years has shown a considerable increase and the indications point to a material expansion in production of oil during the next few years. Some of the trees are eight to nine years of age.

Coconut.—There was little to record in the way of activity in crude oil but the tone of the market appeared to be somewhat steadier. Prices remained where they stood in the previous week, 4¼c. per pound being quoted for November forward in tankcars. Few inquiries were received, recent developments in other commodities making consumers disposed to hold off. Refined oil met with a fair demand and the market was steady, with 9½c. per pound quoted for 76 degrees in tankcars, tax included.

Corn.—The market for crude oil had an easy tone, this apparently being a reflection of the recent course of other oils and fats rather than to any pressure of supplies. Quotations were shaded ¼c. per pound. Refined oil was in fair demand and steady.

Cottonseed Oil.—Quotations on edible oil were held at previous levels by domestic refiners, the tone of the market being steady. There was a fair demand. Imported oil quotations were still generally nominal in the absence of any increase in offerings.

Mustard.—Demand was fairly active and the market retained a steady tone, quotations being held at former figures.

Oiticica.—A firm tone prevailed, prices being advanced ½c. per pound, with the quotations still largely nominal as supplies on spot continued to be reported as small and there was apparently no increase in offerings for shipment.

Palm.—The market remained in an easy position, the tone being influenced by recent developments in competing product. Quotations were shaded ¼c. per pound, the figures still being mainly nominal. There was a fair inquiry.

Peanut.—With offerings of crude oil reported as light, the tone of southern markets appeared to be steadier than recently. A conference of peanut growers and trade representatives to consider diversion of peanuts grown in 1937 into oil and by-products will be held at Washington, Sept. 13.

Perilla.—Quiet conditions prevailed, the recent advance in prices making consumers disposed to hold aloof. Supplies on spot were reported as small, however, and with offerings from abroad still light the market remained firm.

Rapeseed.—A steady tone prevailed and quotations were held at previous levels. The inquiry was light. Spot supplies were said to be small and offerings for arrival were still limited.

Teaseed.—Prices were generally maintained at previous levels, the tone of the market being steady. There was a fair inquiry.

Markets at Other Centers

San Francisco, Sept. 8.—Chinawood oil continued its upward climb, reaching a point of 20c. per pound, tankcars, f.o.b. Pacific Coast, in the sale of a few tanks here a few days ago, and there was some continued interest in perilla oil. Otherwise this vegetable oil market was a quiet affair last week, interest being practically absent in the edible and soap oil divisions. The tone, however, appeared to be rather steady all the way through.

COCONUT.—The market remains steady with but little interest shown. Quoted for future positions at 4c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills. Nearby and prompt shipment oil from the Pacific Coast quoted at 4c. to 4⅛c.

COPRA.—Conditions held about steady, sellers giving ground slightly when one parcel was confirmed at 2.45c. per pound, c.i.f. Pacific Coast, against a ruling level of 2.50c. the week previous. Europe is said to be in the picture as a buyer, although not in aggressive fashion.

COTTONSEED.—Foreign oil in a nominal position, with Japanese and Chinese stocks off the market, owing to the war in the Orient. Meantime, importers say South American sources are not offering.

PERILLA.—About steady, with prompt shipment crude perilla oil quoted on the basis of 12½c. per pound in tankcars, f.o.b. Pacific Coast ports, duty paid. Importers say Japanese sources are offering, but only occasionally, and are not pressing.

SESAME.—Crude oil is quoted in a strictly nominal position at 8¼c. per pound in tankcars; 8¾c. per pound in drums, f.o.b. Pacific Coast mills, if and when available. Most sources are unable to supply.

TEASEED.—Nominal. Quoted at 9c. to 9¼c. per pound in tankcars, f.o.b. Pacific Coast ports, September-October.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

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Chicago, Sept. 10.—Prices for vegetable oils have been fluctuating a little here and there, and on the whole the undertone early was easy. However, there was something of improvement around midweek.

COCONUT.—Crude oil, 4c. to 4⅛c. per pound, prompt shipment; deferred, same price; Coast basis.

CORN.—Crude, low acid, 7c. to 7⅛c. per pound, mills, partly nominal. Refined, edible oil, 11c. to 11¼c. per pound, car lots; and 11¾c. to 12c., drums, less than car lots.

CHINAWOOD.—Ruling on a nominal basis, spot, drums, last quotation around 19c. per pound; deferred same basis.

Chicago, Sept. 10.—Range for soybeans for the week ended September 8: No. 2, yellow, spot: no sales.

London.—Sept. 2.—Soybean, British crude, 30s. 3d. per hundredweight; palm kernel oil, refined 33s.; rapeseed oil, crude extracted, 37s.; coconut oil, Ceylon, 24s; peanut oil, Bombay crude, 30s; sardine oil, 19s. 9d.; whale oil, crude, 20s. 6d.

Linseed Oil

Flaxseed markets were irregular, changes in prices being frequent. Linseed cake higher; meal and oil unchanged.

Flaxseed—DULUTH, Sept. 10.—Continued firmness has been shown in the flax market in the face of peak movement of the Northwest crop to terminal. Besides indications of active competition between crushers and speculative interests for supplies, the market has found support in news of doubtful moisture conditions in Argentina and warlike gestures on two international fronts, the Orient and the Mediterranean. Demand held strong in the local cash market, with premiums fully maintained.

The week's closing price range was as follows:—

	Cash.	Sept.	Dec.
Saturday	$2.05¼	$1.96¼	$1.96¼
*Monday	...	...	...
Tuesday	2.06	1.97	1.97
Wednesday	2.09	1.99	2.00
Thursday	2.09	1.98½	2.00
Friday	2.14½	2.00½	2.02½

* Holiday.

Crop movement in bushels follows:—

	Receipts— 1937.	1936.	Shipments— 1937.	1936.
This week..	23,112	34,936	769	1,197
Since Aug. 1...	66,769	418,981	107,080	89,102

MINNEAPOLIS, Sept. 10.—Heavy receipts of cash flax met with avid demand from the crushing trade and premiums advanced in spite of the pressure. Up to the beginning of the current week most of the movement originated in southern Minnesota and now the inflow from North Dakota is beginning to show. This northern seed is of good quality and sells 2c to 4c. better than the southern offers. No. 1 seed is quoted at 7c. to 11c. over September.

Competition for good seed is very keen and crusher buyers are hustling around the trading floor looking over samples as fast as they appear. Good prices are paid for commission house lines of seed, especially if northern quality if available with the other stuff. Virtually no old seed is arriving at present. Most of the new seed is clean and shows moderate dockage. Buyers are very apt to use dockage as an excuse to advance their bids on the seed itself.

Local elevator stocks are gaining steadily. Shipping advices on fresh consignments are falling off some, but are expected to gain again as soon as the harvest in the Red River Valley of North Dakota has been completed. There is a good demand for flax to arrive, but most of the shippers prefer consigning because of the strong tone of the market.

The week's closing price range was as follows:—

	Cash.	Sept.	Dec.
Saturday	$2.04	$1.96	$1.98
*Monday	...	...	...
Tuesday	2.08	1.98	2.00
Wednesday	2.11	2.01	2.03
Thursday	2.11	2.01	2.02¾
Friday	2.14½	2.02½	2.03½

* Holiday.

Crop movement in bushels as follows:—

	Receipts— 1937.	1936.	Shipments— 1937.	1936.
This week..	334,180	12,000	10,660	21,280
Since Sept. 1...	754,950	51,000	23,800	63,840

WINNIPEG, Sept. 1.—The market for flaxseed futures was irregular in company with grain. Trading was quiet. The week's closing range was as follows:—

	Cash.	Oct.	Dec.
Saturday	$1.75⅝	$1.77	$1.77½
Tuesday	1.77½	1.78⅝	1.78⅝
Wednesday	1.78¼	1.79½	1.79⅞
Thursday	1.78½	1.79½	1.80½
Friday	1.77⅝	1.78½	1.78½

BUENOS AIRES, Sept. 10.—Opening prices per bushel on September contracts were:—

	Last week.	Last year.
Saturday	*..	$1.27⅜
Monday	*..	1.29½
Tuesday	$1.32⅞	1.29⅞
Wednesday	1.32⅞	1.31
Thursday	1.34¼	1.28¼
Friday	1.34¼	1.28

* Holiday here.

Exports

To—	Bushels— Last week.	Previous week.	Last year.
United States	354,000	39,000	20,000
United Kingdom	.....	.....	8,000
Continent	681,000	122,000	921,000
Orders	150,000	260,000	4,000
Others	209,000	292,000	107,000
Totals	1,394,000	713,000	1,060,000

Since January 1

To—	Bushels— This year.	Last year.
United States	19,735,000	8,185,000
United Kingdom	496,000	819,000
Continent	16,421,000	21,011,000
Orders	14,270,000	9,215,000
Others	4,522,000	2,196,000
Totals	55,444,000	41,426,000

Visible Supply

	Bushels.
Last week	4,331,000
Previous week	4,724,000
Last year	5,512,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels— Last week.	Previous week.	Last year.
United Kingdom	204,000	640,000	320,000
Continent	8,000	44,000	.....
Others	16,000	8,000	116,000
Totals	228,000	692,000	436,000

Since April 1—	Bushels— This year.	Last year.
United Kingdom	4,272,000	5,796,000
Continent	224,000	728,000
Others	348,000	176,000
Totals	4,844,000	6,700,000

HULL, Sept. 10.—Quotations on flaxseed were:—

	Per ton— La Plata.	Bombay.
Saturday	£13	£15½
Monday	13	15½
Tuesday	13	15½
Wednesday	13⅛	15⅝
Thursday	13⅛	15⅝
Friday	13⅛	15⅝

Linseed Oil.—The market was rather quiet early in the week but later on an improvement was noted in the inquiry and sales for the week showed some improvement over recent preceding periods. Some of the business, however, was said to have been closed at concessions of a point or two though list prices remained where they stood at the close of the previous week.

Withdrawals here on unfilled contracts also showed some expansion and advices from outside points reported an increase in the movement into consuming channels on contracts previously placed. There was apparently no addition to supplies at the mills although production at some outside points is reported to have been expanded recently.

Demand for cash flaxseed in domestic markets was active and receipts and offerings were well absorbed. The indications were said to point to some decrease in the movement to terminal points in the near future as marketing in the country showed some falling off. Reports concerning the flaxseed crop in parts of the Northwest continued to indicate improvement both as to the quantity and the quality. More favorable reports were also received from Argentina as a result of rains in sections where they were needed.

Receipts of flaxseed at New York last week were 269,280 bushels.

According to a report issued last week by the Department of Agriculture at Washington the supply of flaxseed in principal producing countries on August 1 was probably somewhat smaller than last year's short supply. Building activity—a good measure of the demand for flaxseed, because of the use of linseed oil in paint—is about the same as a year ago in the four principal flaxseed-consuming countries. Other indications of demand are at least as high as a year ago in these four countries (United States, United Kingdom, Germany, and France). Both building and other indications of demand are higher than a year ago in the United States.

Domestic flaxseed prices are lower than a year ago, in spite of the fact that world supplies are somewhat smaller and the world demand equally as strong. These lower prices were said by the Bureau to be a result of the fact that the United States supply of seed and oil is a larger percentage of the August

REFINED TO EXACTING STANDARDS
Staley's SOYBEAN OILS
A.E. STALEY MFG. CO. DECATUR ILL.

1 world supply than in recent years. In addition, soybean oil has declined compared with the price of linseed oil, thus increasing the competition with linseed oil.

Trading in linseed oil futures on the New York Produce Exchange from September 7 to September 10, inclusive, comprised one contract, a total of 60,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	...	...	9.80@10.00
March	9.90	9.90	9.75@ 9.95

SAN FRANCISCO, Sept. 8.—A few tankcars of oil turned over, prompt shipment basis, at a figure said to be 10c. per pound. Although there is known to be some need for oil for extended shipments over the balance of this year among the paint manufacturers, those whose requirements are unfilled are not contract minded for the moment. Quoted prices remain unchanged:—Tankcars, 10.4c. per pound; drum car lots, ex mill, 11c.; drum lots, ex warehouse, 11.4c.

MINNEAPOLIS, Sept. 10.—There is no particular force to oil buying currently and volume of trade is limited but buyers keep picking up lots of varying size steadily. Small lot business is fairly active because of good weather conditions that encourages outdoor painting. Manufacturers are taking a few tankcars and orders for cooperage car lots hold fair. Demand for round lots is not in the least conspicuous at the moment.

Argentine news tends to keep the buyers interested and inquiry is broad from week to week. Shipping instructions on maturing contracts are very good and mills are now operating around 65 percent of capacity. However this does not permit of much gain in stocks as instructions call for liberal daily shipments.

Quotations on carload lots, f.o.b. Minneapolis, cooperage, 10.8c. per pound; tankcar lots, 10.2c. per pound, and warehouse lots, 11.2c. per pound.

Shipments of oil in pounds were as follows:—

	1937.	1936.
This week	1,673,445	1,096,940
Since Sept. 1	3,743,761	3,068,263

CHICAGO, Sept. 10.—Further easiness has developed in the linseed oil market. Large sellers have offered considerable material of late, it appears. Most of the buying recently has been in limited lots for early shipment. Ruling prices are:—Tankcar, 10.2c. per pound; car lots, 10.8c.; warehouse deliveries, drums, 11.2c.

LONDON, Sept. 10.—Quotations on linseed oil were:—

	Per cwt. s.	d.
Saturday	28	9
Monday	28	9
Tuesday	29	0
Wednesday	29	3
Thursday	29	3
Friday	29	3

Cake and Meal.—The market for cake was more active and firmer, quotations being advanced 50c. per ton. Sales for the week were reported as considerably larger than in recent preceding periods. There was a fair domestic demand for moderate quantities of meal, and the market was steady.

MINNEAPOLIS, Sept. 10.—Demand for linseed meal is broad and active, the best in a long time, and prices are advancing. Buyers are taking hold for immediate to long deferred shipment. Numerous 100 to 500 ton lots have been sold for shipment right up to the end of the year. Shipping instructions on maturing contracts are very prompt and the current larger output of mills is moving readily.

Quotations on carload lots f.o.b. Minneapolis, 100 pound sacks, $30 to $30.50 per ton.

Shipments of meal in pounds were as follows:—

	1937.	1936.
This week	3,981,682	423,351
Since Sept. 1	8,630,667	2,654,205

CHICAGO, Sept. 10.—Linseed meal has been inclined to a somewhat steadier tone lately. There has been quite a bit of routine buying. Resellers have continued to offer a moderate amount of material. Ruling prices are:—Round lots, $32 per ton, largely nominal; car lots, $32 to $32.50; less than car lots, $34 to $34.50.

Cottonseed Oil

Cottonseed oil futures were irregular. Southern markets easy. Cotton crop news mainly favorable.

Cottonseed Oil.—The chief event of the week in the market for cottonseed products was the publication of the monthly government estimate of the cotton crop. This appeared on Wednesday. As had been expected, the report proved to be bearish, the indicated crop as of September 1 being 16,098,000 bales against 15,593,000 bales a month earlier and a production last season of 12,399,000 bales. The publication of the figures was followed by selling for both long and short account by local and other traders and a decline in prices of about 20 points. In the market for lint cotton the report caused a decline of $1 per bale.

According to the government the indicated yield of cotton per acre is 228.5 pounds. This is the highest on record and compares with 197.9 pounds in 1936 and a ten year average of 169.9 pounds. It is estimated that 1.3 percent of the acreage has been or will be abandoned, leaving 33,736,000 acres remaining for harvest. This abandonment is one of the lowest on record. Increased production over that indicated on August 1 is shown in all major cotton states except Oklahoma and the Carolinas. Texas shows an increase of 308,000 bales. Reductions in the Carolinas were mainly due to increased weevil damage. Elsewhere losses from weevil have been relatively light.

Prior to the publication of the government crop estimate the market for cottonseed oil futures was irregular, the trend of prices being upward early in the week with a reaction later. On declines there was covering by recent sellers together with fresh buying on the idea that everything bearish in the situation had been discounted in the price. It was contended by some that since September 1, the real date of the government report, the crop has deteriorated in some important sections as a result of unfavorable weather. There were further rains in parts of the eastern belt where the precipitation in recent weeks has been excessive.

A report from Memphis stated that continued rains in that section were causing bolls to rot and that crushers were complaining about sappy, hot seed, the oil content of which was declared to be unusually low. It was also stated that farmers were being urged to cease picking cotton and let it dry in the fields. Crude oil and other cottonseed products were reported as easy in southern markets following the publication of the government crop estimate. Buyers of crude oil in some cases reduced bids ¼c. Lard compound was materially lower and further declines occurred in some vegetable products which compete with cottonseed oil. The general market for oils, fats and greases, however, appeared to have a better tone. The ginning figures from the Census Bureau showed that up to September 1 the quantity of cotton ginned was 1,871,403 bales against 1,374,347 bales in the same time last year.

Marketing of hogs in the West continued on a comparatively light scale. The weight of the hogs received in Chicago during the week ended September 4 was 271 pounds against 269 pounds in the previous week, 276 pounds in the week before that and 265 pounds in the same week last year. Domestic and export trade in lard continued to be reported as quiet but shipments of lard from Chicago were liberal and predictions were heard that the semi-monthly statement of stocks in that market would show a further sharp decrease in supplies.

Trading in bleachable prime summer yellow cottonseed oil futures on the New York Produce Exchange from September 7 to September 10, inclusive, comprised 614 contracts, a total of 36,840,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	7.83	7.44	7.44@7.46
March	7.90	7.50	7.51 sale
September	7.87	7.55	7.50@7.60
October	7.81	7.41	7.42 sale
December	7.81	7.43	7.44 sale

Crude, Southeast, 6.25c. nom.

Hull, Sept. 10.—Quotations on cottonseed oil were:—

	Refined. Per cwt. s.	d.	Egyptian crude. Per cwt. s.	d.
Saturday	27	0	24	0
Monday	27	0	24	0
Tuesday	26	6	23	6
Wednesday	26	6	23	6
Thursday	26	6	23	6
Friday	26	6	23	6

Cake and Meal.—The tone of the markets in parts of the South was reported as easier owing to an increase in offerings following an expansion in the movement of seed to the mills. In the Southeast considerable business was reported to have been closed in meal at further concessions in prices.

Markets at Other Centers

Atlanta, Sept. 8.—Further price depression of cottonseed and cottonseed products is not reported. The recent low level is being maintained.

Cotton is being rapidly harvested and throughout the Southeast the yields are far from being as great as was anticipated a few weeks ago, rust and weevils being the principal factors.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Quotations of this market are as follows:—

OIL.—Prime crude, 6½c. to 6¾c. per pound.

SEED.—$22 per ton, f.o.b. shipping points.

HULLS.—Loose, $9 ton.

Memphis, Sept. 10.—Crude cottonseed oil buyers reduced their views yesterday after the publication of the government cotton report from 6½c. to 6¼c., Valley basis. However, mills seem well sold ahead against seed they own and no selling pressure developel. At the present time 6¼c. is bid and 6½c. asked. Buyers and sellers seem indifferent. Cottonseed meal advanced about $1 per ton before the government crop estimate was published and then reacted. Meal and cake moving into consumption as fast as produced. Today 41 percent meal quoted at $21.50 per ton for prompt shipment and $21 for September-October shipment, Memphis basis. Slab cake, 41 percent, $18 to $18.50 per ton, Valley points. Hulls, $2.50 per ton at mill points. Inclement weather continues in this section. Farmers complaining about boll rot and mills complaining that sappy, hot seeds are difficult to work and contain low oil yield. Farmers being urged to cease picking cotton and let cotton dry in fields. Crushing getting off to a rather late start.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	September 2.	September 9.
September	$20.50@21.25	$20.85@21.50
October	20.65@21.00	20.50@20.75
December	20.75@21.00	20.50@20.60
January	20.75@20.95	20.75@——

Animal Oils

Degras.—A steady tone continued to prevail. Spot supplies are reported to be light or moderate and there was apparently no increase in offerings of imported for arrival.

Lard.—Quotations on winter strained were reduced ¼c. per pound. Other grades were held at the levels prevailing in the previous week. There were reports of a somewhat better inquiry though few consumers were disposed to purchase in advance of current needs.

Neatsfoot.—Most grades were unchanged, but extra was reduced ¼c. per pound. There was little change in the character of business, consumers being inclined as a rule to follow a very conservative course in making purchases.

Oleo.—Business lacked snap but there were reports of a somewhat better inquiry for moderate quantities. The market was steady on the basis of previous quotations.

Markets at Other Centers

Chicago, Sept. 10.—In keeping with the somewhat irregular market conditions ruling in the basic products, the animal oils are little changed. Some strain toward easiness is detected here and there. Considerable slackness in business was caused by the Labor Day holiday. Buyers have been putting off as long as possible the filling of their needs.

LARD.—No. 1, 11½c. to 11¾c. per pound.

OLEO.—No. 2, 12c. to 12½c. per pound.

TALLOW.—Acidless, 10½c. to 10¾c. per pound, tanks; 11¾c. to 12c., drums.

Fish Oils

Menhaden.—There was little change in the character of business here in refined oil last week, recent developments in the crude situation as well as in the markets for various other oils and fats making consumers disinclined to depart from a very conservative course in making purchases. There were reports, however, of a somewhat better inquiry for small or moderate quantities. The market had an easy tone, quotations being reduced 2/10c. per pound. Reports concerning fishing operations were less favorable as a result of storms along the coast.

Sardine.—No broadening of business was noticeable in the local market for refined oil, consumers being disposed as a rule to purchase merely for current or nearby requirements. The tone of the market was easy and quotations were reduced 2/10c. per pound.

Whale.—A steady tone continued to prevail in the market for refined oil, selling schedules being maintained at the levels ruling in the previous week. There was a fair demand.

Markets at Other Centers

San Francisco, Sept. 8.—Whether the long-predicted depletion of sardines had actually set in at last or whether the fleet operators have simply been experiencing "fishermen's luck" so far this season, nobody in the industry last week could say. One thing was known in this market, however, and that was the fact that fishing has been so light that no appreciable showing has been made in production so far, and the season is over one month old. Statistics issued by the California Fish & Game Commission today revealed that the catch turned in at San Francisco and Monterey Bays during August amounted to only 4,809 tons, against 10,620 tons for August, 1936. This difference is further widened by the fact that operations were started one full week earlier this year than last.

The Fish & Game Commission was frankly concerned in a statement given the OIL, PAINT AND DRUG REPORTER today, although it refused to make any predictions this early in the season. The Commission has made repeated efforts over the last several years to get the entire industry, floating and shore plants alike, lined up in a move for conservation, and until last year kept stringent regulations on tonnage permits for fish used by shore plants. Action of floating reduction plants, however, processing fish on the high seas, over which the Commission had no control, defeated the move and last year and this the industry is running practically "wide open." During the last season (1936-37) there was a total of 727,398 tons of raw sardines taken by shore plants and floaters. This was made up from a shore plant tonnage of 488,141 and a floating reduction plant tonnage of 239,257.

It was seen here today that fishing fleet operators might ask for a higher rate of pay than the $13 per ton figure they are now getting unless more fish are to be found.

Meantime, the market remained quiet, with the price ruling at 36c. per pound, tankcars. A little business was consummated at that figure, with buyers' ideas now 35c.

Baltimore, Sept. 9.—Conditions in the market for menhaden oil today showed no changes from the state of affairs that has prevailed for several weeks. The weather cleared and proved more favorable to the operations of the fleet in the lower Chesapeake Bay and outside of the Virginia Capes, but the catches are reported to have shown no marked departure from those that were previously noted. The fish are still rather small and yielding less oil than has been the case in some past seasons. Moreover, the fishing companies have not yet caught up with the orders they booked at the start of the season and are therefore not in position to offer stocks of oil for sale outside of their commitments. Hence there was an absence of trading during the week, and decided quiet prevailed in the industry. The idea of potential buyers are still around 35c. per gallon, while the producers, mentioning no figures, feel that they should get a higher price. The refined oil market has become somewhat firmer during the week, but the quotations out are unchanged at 54c. to 56c. per gallon for white pressed, 56c. to 58c. per gallon for yellow bleached and 58c. to 60c. per gallon for white bleached oil.

Fats and Greases

Grease.—Quotations were generally stationary and the tone of the market appeared to be steady. Business lacked snap but there was a fair inquiry for moderate quantities for prompt shipment.

Lard.—Domestic trade in cash product continued along conservative lines. There were reports of some improvement in the export inquiry. Prices were irregular in company with futures in Chicago where fluctuations in prices were frequent. Marketing of hogs was still on a comparatively light scale.

Stearin.—The market was easier, quotations being reduced to 8½c. to 9c. per pound. Trade was quiet.

Tallow.—A steady tone prevailed although business was rather quiet much of the time. Occasional inquiries were received from consumers of small or moderate quantities but large buyers were apparently disposed to hold off for further developments. On the other hand offerings here were generally reported as light and the situation in Western centers seemed to be similar in this respect. The last business reported was at 7½c. per pound for extra, delivered.

Trading in tallow futures on the New York Produce Exchange from September 7 to September 10, inclusive, comprised 3 contracts, a total of 180,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
February	7.30	7.30	7.10@7.25
December	7.35	7.30	7.10@7.30

Markets at Other Centers

Chicago, Sept. 10.—Market values in the cash lard trade have been holding along more steady lines in the last few days in spite of the fact that the more speculative futures markets in allied commodities have been subject to considerable irregularity and fluctuation. Prices remain below a year ago. The shipping trade is fair only.

The range of lard quotations from the opening Saturday, September 4, to the close Friday, September 10, is shown in the following table:—

	Per 100 pounds— Open.	High.	Low.	Close.	Previous Friday.
Cash	$10.45	$10.60	$10.45	$10.50	$10.40
Oct.	10.52	10.62	10.37	10.42	....
Dec.	10.67	10.75	10.42	10.42	10.60

(Continued on page 60)

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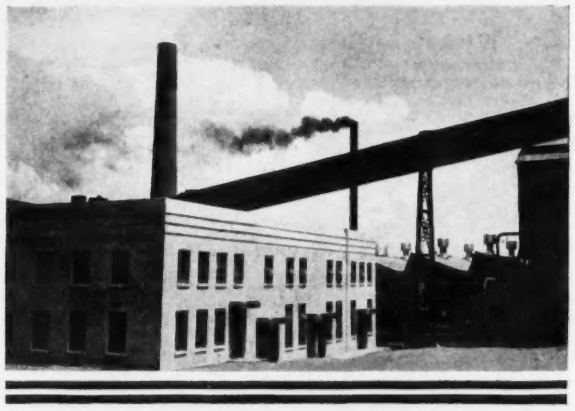

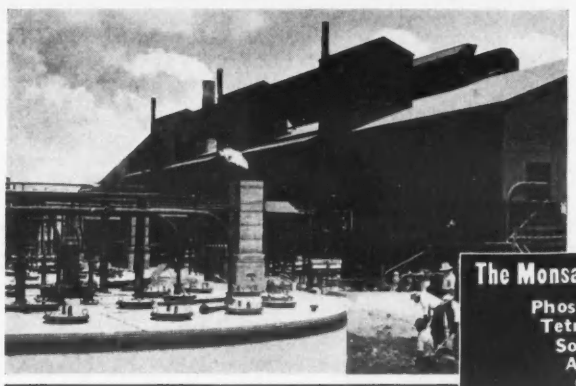

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Triethyl Phosphate
Phosphorus Pentoxide

Drugs, Fine Chemicals

Natural Methyl Acetone Reduced—Further Decline in Sulfanilamide Prices Noted—Quicksilver Find Reported in Texas —Demand for Seasonal Items Shows Gain

The principal price developments in the market for drugs and fine chemicals last week were declines in the quotations on natural methyl acetone, and on sufanilamide. Other than that, the market lacked new developments. As a whole, trade had a tendency to broaden and a gain in general activity seemed to be a reasonable prospect for the immediate future. Most items were in very steady price position.

The lowering of prices on natural methyl acetone brought out into the open officially a scale of prices that had prevailed privately for some time. No change in quotations on synthetic material was made, that item being priced at a substantial premium over the natural product. The reduction was made to permit natural methyl acetone to find a market in competition with acetone.

Lower prices on sufanilamide came as a moderate surprise to the market, mainly because it had been said that values would reach a stabilization point when the market was set up at $2 per pound. It is now 25c. below that figure. Competition in the item was evident.

Demand for seasonal items, the consumption for which will increase with the arrival of the Winter months, showed a moderately expansive trend. Covering of early season needs had begun in a market which was notable for the steadiness of prices in general.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Podophyllin, 90c. per lb.

Reduced

Methyl acetone, natural, 3c. per gal.
Mercury oxide, yellow, technical, 10c. per lb.
Sulfanilamide, 25c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week	Prev. week.	Last month.	Last year.
181.5	181.5	181.4	180.3

Market news that may have developed after this report was sent to press will be found on page 4.

Acetanilide.—Movement was well maintained and prospects were favorable for good business during the months to come, especially in view of the continued excellence of demand originating with the manufacturers of sulfanilamide. The latter article was reduced again last week.

Acid, Acetylsalicylic.—Broadening of sales was looked for. Distributors in all forms were expected to be in the market for additional supplies that the demand for their packages might be met during the more active season ahead.

Acid, Boric.—Continued movement of U.S.P. acid in very good volume was reported current on the basis of prices fully firm and well maintained by the leading producers.

Acid, Citric.—Cooler weather has taken its toll of the broader demand noted in this item during the past Summer. Lessened call was noted last week in keeping with the normal expectation at this time of year.

Acid, Mandelic.—No change was noted in prices on this article, although some talk of a possible reduction was noted. Demand was very good.

Acid, Salicylic.—With raw material having been advanced in the recent past, the position of U.S.P. acid was one fully firm and lacking in unsettlement, especially in view of the very good call in general.

Acid, Tartaric.—Demand decreased considerably so far as movement to the beverage manufacturers was concerned. Cooler weather has tempered their requirements somewhat and to that extent the market was quieter last week. Prices held, cost of production preventing a fall.

Agar.—Although the reports from Japan were indicative of small stocks and strong prices, local conditions lacked developments sufficient to cause full reflection here of the situation at the source.

Alcohol.—Sales of antifreeze alcohol have been very good thus far and with trade conditions being generally favorable, the producers looked forward to further business sufficient in volume to be productive of firm undertones and well held prices. Specially denatured alcohol moved very well on the whole and betterment of consumption was expected to come in the not far distant future. Prices were firm. Ethyl alcohol was in routine request from industrial users but beverage makers took excellent quantities.

Castor Oil.—A widening of interest was looked forward to with some degree of confidence. Trade during the Summer months had been fair but with the arrival of Fall a more active consuming market was expected to develop. Prices were very steady.

CHICAGO, Sept. 9.—Castor oil continues to be fairly steady. Orders have been placed in fairly good quantity for some time. Ruling prices are:—No. 1, drums, car lots, 10⅞c. per pound; drums, less than car lots, 12c.; barrels, car lots, 11½c.; barrels, less than car lots, 12¼c.; five-gallon tins, 13¼c.; one-gallon tins, 15¼c.; No. 3, drums, car lots, 10⅜c.; drums, less than car lots, 11½c.; barrels, car lots, 10⅝c.; barrels, less than car lots, 11¾c.

Ammonia Benzoate.—Sales have fallen off slightly but manufacturing consumers were still consuming important quantities of the item and it retained a firm position locally.

Ammonia Chloride.—Sales have increased somewhat. The season of widening consumption is not far away and buyers were disposed to cover portions of their probable requirements. Prices were firm.

Bismuth Metal and Salts.—Movement was little changed and business in salts continued to be done at prices not always satisfactory to the makers; complaint of too low prices was unabated but competition prevented improvement of the schedule. Metal was in firm position and good demand.

Borax.—Consumption proceeded at a very good pace, giving the market the substance of strength and keeping prices firm. The contract season has yet four months to go and at this time the producers are unwilling to forecast values to prevail when the period for contract renewal arrives.

Cadmium.—Every pound produced appeared to be tagged for the account of some manufacturing consumer. The market was nominal so far as free and unrestricted transactions in the article were concerned. Larger requirements were expected to develop when automobile production gets fully underway on new models.

Chloral Hydrate.—Stability in prices continued free from any early change in that aspect of the market. Demand was routine, but about normal for the item, and hence undertones were steady.

Codliver Oil.—Leading suppliers to the trade in this country were counting on excellent consumption during the Winter months, when the curve of demand usually rises. Prices were generally firm on spot and even stronger in the primary market. A fair part of this year's production in Norway was under contract.

Cream of Tartar.—No relaxation of raw material strength developed and hence the position of this article was fully firm with the added influence of very good consuming request.

Creosote.—The season of larger needs was not far away and more inquiry for the article was noted coming from distributors and manufacturers who were disposed to cover a part of their early season requirements. Prices were very steady.

Formaldehyde.—With raw material showing substantial firmness, this article was well held. Demand continued to be very good on the whole, resin manufacturers taking substantial quantities steadily.

Glycerin.—Values were very steady. Backed by a fairly good and entirely

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

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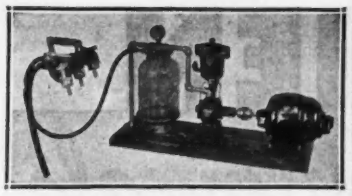

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steady demand for chemically pure material, the market showed a deal of stability as quoted. Production was said to be taking up the needs of buyers with a better than fair degree of promptness. Stocks were not excessive in size and output of the refiners was no larger than probable requirements would make necessary. Competition was negligible.

CHICAGO, Sept. 9.—The c.p. glycerin market is fairly steady. Business is reported to be rather good. Ruling prices are:—C.p., car lots, 21½c. per pound, drums, less than car lots, 22c.; cans, less than car lots, 23½c. to 25c., according to quantity; dynamite, car lots, 21½c.

Methanol.—Broader demand was expected for the grade used for the protection of motor cars in Winter. This business should be of substantial size this year and sales were expected to add to the already steady to firm position occupied by prices generally. Monthly statistics on production of crude and synthetic methanol, representing practically the entire output of these commodities in the United States, have been released by Director William L. Austin, Bureau of the Census, Department of Commerce. The data for the months of 1937 include production figures for twenty-eight manufacturers for March to July; twenty-nine for February and January; 1936, thirty-three makers. Wood carbonized in 1937 amounted to 53,813 cords in January, 50,410 cords in February, 54,164 cords in March, 52,116 cords in April, 51,118 cords in May, 49,709 cords in June, and 47,525 cords in July, comparing with 50,717 cords in January, 40,044 cords in February, 47,626 cords in March, 43,610 cords in April, 44,548 cords in May, 42,319 cords in June, and 41,667 cords in July, 1936.

Production

	Gallons			
	1937.		1936.	
	Crude.*	Synthetic.	Crude.*	Synthetic.
Jan....	525,070	1,835,815	494,081	1,418,863
Feb....	500,685	1,849,302	494,144	1,540,171
March..	546,662	2,071,747	476,496	1,631,832
April...	531,727	2,138,895	426,313	1,692,921
May...	522,961	2,343,497	427,079	1,754,998
June...	485,943	2,563,507	413,930	1,863,405
July...	465,205	2,564,783	384,751	1,950,825
Totals.	3,578,253	15,077,546	3,116,794	11,853,015

* The refined equivalent would be approximately 82 percent of the crude production.

Methyl Acetone.—Manufacturers of natural methyl acetone officially reduced prices 3c. per gallon. Tanks were priced at 30c. per gallon in zone 1; zone 2, 32½c.; zone 3, 33½c.; zone 4, 34c.; drums, car lots, zone 1, 36c.; zone 2, 39c.; zone 3, 40c.; and zone 4, 42c. This was an official acknowledgement of prices which had been quietly done during recent weeks, such shading of the official schedule not having been made public. No change in prices on synthetic material was made.

Podophyllin.—Quotations were minimum at $3.90 per pound and as the article was comparatively hard to secure from the producers, it was said that still higher quotations would probably be forced by both the demand and the cost of production; raw material was advanced sharply during the previous week.

Quicksilver.—Prices lacked further change and appeared to be generally in firm position even though demand had yet to broaden to such a point that movement might be considered normal. Of interest was a report that the state of Texas had discovered a quicksilver deposit on state lands in the mountains close to the Mexican border.

SAN FRANCISCO, Sept. 7.—Local sellers of quicksilver last week reported the demand picking up, with the market holding firm. Inquiry was much improved and metal was selling at $91 to $92. A bid of $89 for a comparatively large quantity went unfilled, apparently, because the price was too much out of line with sellers' ideas.

Quinine.—Somewhat better demand was noted. Seasonal expansion in trading within moderate limits was reported and from now on the movement into consumption was expected to gain along normal lines. The market was firm. Importations of cinchona bark into the Netherlands from January through June were 3,838 tons in 1937, comparing with 3,885 tons in the corresponding period in 1936. The total import in 1936 was 6,691 tons; 1935, 4,691 tons.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London are also provided:

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	32⅞	44⅝	19⅞
Monday	*	*	19⅛
Tuesday	32⅞	44⅝	19⅛
Wednesday	32⅞	44⅝	19⅛
Thursday	32⅞	44⅝	19⅛
Friday	32⅞	44⅝	19⅛

* Holiday.

Sulfanilamide.—Prices were reduced again. In quantities of 1,000 pounds one delivery, the quotation was setup at $1.75 per pound; in 100 pound lots, $1.80; 5 pound bottles, $2.20. Stabilization had been expected to come to the market when prices reached a minimum of $2 but competition continued to force values in favor of buyers.

Monsanto Earnings at New High for Quarter

Sales and net earnings of the Monsanto Chemical Company for the second quarter of 1937 established new all-time records, according to Edgar M. Queeny, president. Net earnings for the quarter applicable to common stock, after all charges and including provision for probable undistributed profits tax, amounted to $1,441,405, equivalent to $1.29 a share on 1,114,408 shares outstanding at the end of the period. For the corresponding quarter of 1936 net earnings before provision for undistributed profits tax amounted to $1,035,730, or 92.9 cents a share on substantially the same number of shares outstanding.

For the first six months of 1937 and 1936 net earnings applicable to common stock amounted to $2.49 and $1.86 a share respectively. No provision was made for undistributed profits tax during the first six months of 1936.

The company sold during July, as series A, 50,000 shares of the 275,000 of preferred stock authorized by the shareholders early this year. The offering price to the public was $101.50 a share and the net proceeds to the company approximated $98.50 a share.

Allen E. Rogers Laboratories, Brooklyn, N. Y., is now offering hydroxylamine hydrochloride and hydroxylamine sulphate, rare chemicals used in photographic chemical developers, treatment of skin diseases and in organic synthesis as reagents or reducing agents. The company has installed a plant solely for the production of these compounds.

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

A.M.A. Wants to Control Medical, Health Patents

(Continued from page 3)

titled to special considerations, physicians might well offer freely their time, their service, and their original contributions. Our complex civilization of today places ever-new burdens on this willing bearer of mankind's tribulations.

In many occasions and under many governments physicians are now made employees of the state, with some emolument and much control. Why should such a physician give freely to every one the product of his brain when the state refuses longer to consider him as a philanthropic worker for the benefit of mankind? It could be suggested that the state take over and control all patents in the field of health, but be reminded that the state has manifested no particular wisdom thus far in the granting of patents in the medical field.

Public Value of Patents

The great majority of patents do not pay their own cost, let alone yield any material revenue, said Dean Walter C. Russell of the New Jersey Agricultural Experiment Station, who is chairman of the Wisconsin Alumni Research Foundaton, which administers certain vitamin patents. The reason for this, Dean Russell said, is often the lack of financial ability on the part of the inventor to develop his discovery commercially. The popular idea of the commercial value of patents in general is grossly exaggerated, Dean Russell said.

Not patenting a discovery often works against the public interest, Dean Russell declared; because the discovery may be misused especially in the disregarding of essential standards. In his opinion, patents taken out in the name of the public are in the main not developed in the public interest because no company is willing to put the necessary money into the development of a patent without having some sort of assurance that it will be able to reap some reward for its efforts over competitors.

In explanation of the Wisconsin idea Dean Russell said:—

The Wisconsin Alumni Research Foundation was organized at the State university for the specific purpose of aiding staff members to develop their patentable ideas. This arrangement relieves the professor of the details of securing, maintaining, defending, and commercializing a patent. If the patent can be successfully developed, the first monies received recoup the foundation for the expenditures incurred. Of the net profit remaining a small percentage is paid to the inventor; the balance is invested by the foundation and the income from this fund is made available for the continued support of university research.

This expression of the social implication of patent procedure marks a new step in making available to the public the major portion of the net avails arising from the more practical aspects of university research.

Fear has been voiced that a course of procedure such as had now been developed in about a dozen institutions of learning would wreck the research ideals of a university where pure research with no direct practical objective should dominate the field. Experience at Wisconsin over a ten-year period shows that the commercialization now and then of a university discovery has exerted no appreciable effect on the nature of the scientific work undertaken.

In the field of medical research the greatest care should be taken with reference to patents. It is sometimes better to take out a patent, for instance, in the endocrine field, primarily for the protection of the public than to permit such discoveries to be unduly exploited as can be so easily done in this field. Patents of this type should carry royalties only sufficient to cover the needs of control and supervision to see that only standardized products of known potency and value reach the public.

Assurance in Patenting

Patenting a discovery is much to be preferred to secrecy, said George B. Schley, Indianapolis patent attorney, and compensation for discovery should not be denied to scientists on any ground of ethics or belief that it will wreck high ideals. The more capable the inventor, the more deserving he is of the potential realities of invention, Mr. Schley said.

Applying his premise to the topic under discussion—"Are Patents on Medicinal Discoveries and on Foods in the Public Interest?"—Mr. Schley said:—

The need of society for the grant of patents to university research workers extends to the grant of patents on foods and drugs. Society cannot afford not to have such patents. If it does not permit them, it will lose many valuable inventions. They will not be made, or if made will be kept secret, or if not kept secret will not become available to society because the manufacturer cannot afford to develop them.

The new food or drug will in most cases become more readily and more quickly available to the public with the help of a patent than with no patent. The very giving of it to the public may deprive the public of it. The manufacturer may feel unable to take up the matter, with its possibilities if not probabilities of loss, unless he has the protection of a patent; for the cost to the reputable manufacturer of making a new drug available to the public is often enormous, on account of the extensive chemical, pharmacological, and clinical tests which must be made before the effectiveness and safety and limitations of the new drug can be established with sufficient certainty to warrant offering it to the public, and on account of the inability of more than one proposed drug in ten to survive those tests. In addition, society is more likely to get a high-grade product at the outset, and the invention is thus more likely to be favorably accepted by the public so that it may really serve society if at most only a very few rather carefully selected manufacturers are licensed.

F.W.D.A. Convention Program Is Announced

(Continued from page 5)

2:00 p.m.

Sixth session:—For active members and directors of active member companies.
Call to order:—By Mr. Seiberlich.
Roll call.
Unfinished business.
Adjournment.

7:30 p.m.

The annual banquet; toastmaster, R. E. Lee Williamson.
Presentation of Golf Prizes.
Floor show and dancing.

September 24; Friday

9:30 a.m.

Seventh session:—Joint meeting of active and associate members.
Call to order:—By Mr. Seiberlich.
Roll call.
Unfinished business.
Report of the chairman of the associate membership group.
Discussion of resolutions and adoption.
New business.
Election of officers.
Installation of officers.
Adjournment.

2:00 p.m.

Eighth session.
Transaction of unfinished business.
Adjournment.

Entertainment has been amply provided for three days.

September 21, for the ladies, there will be a style show luncheon, a visit to WHK radio station, and a bingo party; for the men, there will be a luncheon at which associate members will be guests of active members; and in the evening there will be general entertainment, with F. W. D. A. 1936 motion pictures, the courtesy of the Eastman Kodak Company.

September 22; for the ladies, there will be a luncheon and bridge, at Chagrin Falls; for the men, there will be a luncheon and golf tournament, at the Lakewood Country club; and in the evening there will be a general group visit to the Great Lakes Exposition.

September 23, for the ladies, there will be a visit to the Great Lakes Exposition or the Cleveland Museum of Arts; for the gentlemen, a luncheon at which the active members will be the guests of the associate members; and in the evening, the annual banquet.

The Mutual Drug Company will be the host and will look after the comfort and entertainment of the visiting members.

Thomas F. Glynn Becomes Alphaden Company Manager

Thomas F. Glynn, treasurer and space buyer for the Harry C. Phibbs Advertising Company, has resigned his position with that organization to take over the general managership of the Alphaden Company, Inc., pharmaceutical manufacturer, at 154 East Erie street, Chicago. The change became effective as of September 1.

Thomas F. Glynn

Ashcraft - Wilkinson Company, Atlanta, Ga., reports the addition to its forces of George M. Barley, of Jacksonville, Fla.

Botanical Drugs, Gums

Chinese Botanicals Show Strength—Attacks of Unidentified European Warships on Neutral Commerce Carriers Bring State Department Warning on Dangers to Shipping

Considerable price activity developed in the market for botanical drugs last week, and the activity did not come in articles of Chinese origin. Domestic and European items were involved in the development and the group included arnica flowers, Hungarian chamomile flowers, linden flowers without leaves, clover tops, ladyslipper root, mandrake root, black haw root bark—all advanced in value—and saw palmetto berries, colocynth pulp, Mexican and Spanish saffron flowers, paprika and coriander seed—all of which were cheaper. The advancing prices were attributed to crop collections not reaching normal expectations, and the decline in values were caused by betterment of supplies and increased local competition.

Chinese articles were fully firm. These materials were:—Galangal and rhubarb roots, cantharides, ephedra herb, anise seed, and Chinese nutgalls. No ephedra could be secured in the primary market, the future of rhubarb root was likely to be that of ephedra, and the balance of the group was difficult to place so far as securing shipments from the primary market.

The effect of war between China and Japan has been clearly defined for the most part. At midweek, the Department of State warned American shipping that movements of boats through the Mediterranean sea and along other Spanish coasts was becoming increasingly dangerous because of unidentified air, surface, and submarine war crafts had been attacking British, Soviet, and French ships. The main attacks of the "pirate" warships have taken place in the western, central, and eastern Mediterranean sea. The conducting of undeclared war operations in European waters could easily produce events which might make transport of European botanicals to this country not entirely devoid of difficulty.

Entries of botanicals at the port of New York since the week of January 1, 1937, the detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	2,816	15,975
Caraway	2,936	8,386
Cardamom (cases)	61	1,584
Celery	521	6,704
Coriander	6,819	8,938
Cumin	2,178	7,455
Digitalis leaves (cases)	143	166
Dill	184	447
Fennel	435	2,415
Henbane leaves (bales)	141	294
Mustard	330	19,145
Poppy	1,550	31,106
Sage leaves (bales)	20	1,320
Sesame	228	11,880
Stramonium (bales)	227	327
Thyme (bales)	636	1,229
Totals	19,224	131,071

Price Changes

Prices were changed during the past week as follows:—

Advanced

Arnica flowers, 3c. per lb.
Black haw, root bark, 2c. per lb.
Chamomile flowers, Hungarian, 2c. per lb.
Clover tops, 1c. per lb.
Cassia, Batavia No. 1, ¼c. per lb.
Ginger, Cochin, lemon, ½c. per lb.
Gum, guaiac, 11½c. per lb.
mastic, 2c. per lb.
Ladyslipper root, 2c. per lb.
Linden flowers, without leaves, 1c. per lb.
Marjoram herb, French, 2c. per lb.
Mandrake root, 3c. per lb.
Mace, Banda, 1c. per lb.
Squaw vine leaves, 1c. per lb.
Witch hazel leaves, ½c. per lb.
Yerba santa, 1c. per lb.

Reduced

Colocynth pulp, 1c. per lb.
Cardamom, green, 4c. per lb.
Coriander, Morocco, natural, ¾c. per lb.
bleached, ½c. per lb.
Clove, Madagascar, ¾c. per lb.
Zanzibar, ¼c. per lb.
Poppyseed, Dutch, ¼c. per lb.
Paprika, Spanish, extra fancy, ½c. per lb.
fair, ½c. per lb.
fancy, ½c. per lb.
medium, ½c. per lb.
Pepper, black, Lampong, ½c. per lb.
Pimento, ½c. per lb.
Saw palmetto berries, 10c. per lb.
Saffron flowers, Spanish, $1 per lb.
Mexican, 10c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.5	126.9	125.6	119.1

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Fir.—Moderate activity featured the end of the vacation period. Movement to consumers gained somewhat and gave to the market a fairly firm undertone so far as prices were concerned. Stocks were about normal.

Peru.—Trade was somewhat spotty. Buyers traded in quantities close to actual consuming requirements and hence volume was but moderate in size. Quotations retained a steady tone in keeping with the situation in the primary market.

Barks

Black Haw.—Root bark was raised further last week when sales confirmed a higher market on the basis of 30c. to 32c. per pound. Country prices have risen since the collection season got under way.

Cascara Sagrada.—Once more has the report of replanting of cascara in the Pacific Northwest reached the spot. This time the report came from Seattle, and the dean of the School of Forestry at the University of Washington was authority for the statement that a control program might be submitted to the next meeting of the state legislature. Reforestation may become necessary because the trees are in danger of extinction as the result of peeling bark to supply the medical needs of the nation, as well as those of foreign countries. It is understood that the School of Forestry has a planting of several acres the trees on which are six to eight years old. These would be used on the reforestation project.

Cottonroot.—Stocks were comparatively small and cannot be increased for some months, or until the cottoncrop is in and bark can be collected. Improvement in demand was expected.

Cramp.—Collection of the best quality of genuine cramp brak has been relatively small, and it seemed likely that many needs of the trade would be met only through the purchase of less desirable material. The market was substantially firm.

Simarubra.—Stocks were conservative and hence most sellers were distinctly reserved in making offerings of this material. Replenishment of depleted stocks through purchase of new collections has not been possible in a major sense.

Wahoo.—Most sellers took a firmer view on the market as it seemed probable that reserves would be not excessive this year and that the cost at which the crop was secured had been high enough to assure dealers of values gaining rather than loosing strength as the season advances.

Beans

Calabar.—Because of the smallness of current stocks, it appeared probable that sellers could set their own limits as competition could play little part in market operations at this time.

Vanilla.—A firmer market was noted. Ideas as to values in foreign markets were uniformly firm notwithstanding the fact that new crop Bourbon beans will begin to affect the markets abroad in the not far distant future. Production in the Islands has not been in excess of the conservative output in 1936 and hence no substantial break in prices is being expected at the present time. Mexican beans were very firm in undertones. Immediate demand in this market was conservative, but an improvement was expected shortly.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Berries

Cubeb. — Absorption of material out of spot stocks was along lines about normal for the material. A gain in demand was expected to develop with the advent of Fall and such improvement in request was expected to come to a market fully steady as to price.

Saw Palmetto.—The outlook for the new crop was said to be encouraging and collection will begin in the not far distant future. According to reports given forth on this market, buyers would not be disposed to pay what they considered to be very high prices for the last crop. Spot prices were down to 30c. to 32c. per pound and, pending further development, little or nothing was done locally during the past week.

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Myrrh Gum
Papain
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Rhubarb Root
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Flowers

Arnica.—Prices were advanced to 30c. to 32c. per pound as the result of a strengthening of the European markets and the failure of prices abroad to undergo the normal decline incident to marketing of new crop merchandise.

Borage.—No unusual amount of stock has been offered from Europe and prices have been such as to lead some dealers here to think that spot quotations would remain at levels about even with those prevailing here for some time past. The market was steady.

Chamomile. — Considerable competition had prevailed on the spot market and it was said that quotations on Hungarian flowers had sold at levels far too close to actual replacement cost of good quality merchandise. Recovery came last week and prices went to 28c. to 30c. per pound.

Clover Tops.—The crop in Europe has not been exceptional in size and cost to import has held to firm position. Spot quotations were higher last week at 12c. to 14c. per pound.

Lavender.—Such news as has come from France has been to the effect that the output of this flower would be about normal, or at least up to that last year and, hence, probably fully equal to probable demand during the coming year. Firm prices were forecast.

Linden.—Flowers without leaves advanced to 20c. to 21c. per pound to bring local values into line with the price views of European shippers. Flowers with leaves lacked any change during the period under review.

Mullein.—Since the recent decline in spot quotations, the market has become substantially steadier and undertones during the past week were lacking in any signs suggestive of further unsettlement of values. Routine request prevailed.

Saffron.—Spanish flowers were shaded to $19 to $20 per pound and as stocks were moderate in size and not likely to be increased much, the situation was said to be favorable for buyers. Sales were usually confined last week to single pounds. Mexican was down to 35c. to 40c.

Gums

Arabic.—Demand came to a market generally quiet and somewhat more competitive than had prevailed in the not far distant past. However, it was a somewhat broader call for quantities of moderate size. No open change in quotations was made. Primary market shipments during June 1937 totalled 1,744 tons, compared with 1,609 tons in June 1936. Shipments during January-June 1937 totalled 13,974 tons, compared with 12,454 tons in the corresponding period of 1936. The chief destinations were as follows:—

	Tons			
	1936		1937	
	June.	Total.	June.	Total.
Great Britain	330	2,906	830	4,317
United States	344	1,896	396	2,673
France	185	2,401	20	1,317
Germany	212	1,557	133	1,618
Italy	30	44	109	476
Belgium	147	807	32	553
Japan	8	544	...	860
Holland	58	496	91	475
Spain	16	116	...	...
Sweden	49	243	7	291
Norway	1	25	3	37
Australia	45	338	30	299
New Zealand	3	31	1	30
China	23	149	5	146
Canada	32	149	20	145
British India	..	26	20	71
Denmark	29	103	7	115
Finland	15	64	10	120
Poland	8	36	25	67
Rumania	7	62	3	32
Greece	22	73	...	55
Egypt	15	57	...	36
Brazil	5	84	9	55

The export figures are made up of the following qualities:—

	Tons		
	Hashab.	Bleached.	Talha.
June, 1936	1,503	46	60
June, 1937	1,529	26	189
January-June, 1936	11,682	75	697
January-June, 1937	12,238	74	1,662

Camphor.—The Japanese market was declared to be on the firm side. Values were well held under the influence of firm conditions in the primary market. Domestic synthetic camphor was expected to begin to move along more active lines now that Fall is close at hand and the call for imported synthetic was also expected to gain.

Guaiac.—Prices on resin were lower at 23½c. to 24½c. per pound with supplies being somewhat larger and demand not too brisk.

Kino.—Small stocks which were not likely to be increased materially alone were available and to a considerable extent quotations were close to being nominal because of the lack of a generally well distributed supply. Any substantial demand would raise prices further, it was said.

Mastic.—Slightly lower prices were noted at 55c. to 56c. per pound as the result of competition.

Myrrh.—An improvement in inquiry, if not in actual sale, was reported last week and the undertone became steadier following a period in which quotations had been subject to rather more competition than prevailed in the market during the past week. Further drop in prices was thought to be unlikely.

Tragacanth.—Prices were firm here because of the lack of more favorable quotations from the primary market, where the crop and price was under well worked out and maintained control by government edict. High quality gum was in moderate supply locally. A fair demand prevailed.

Herbs and Leaves

Aconite.—Quotations were down to 30c. to32c. per pound, following the purchase of shipment material at more favorable prices in the foreign market. Demand was narrow on spot throughout the past week.

Marjoram.—French material was substantially higher on actual sales made at 19c. to 20c. per pound for a top quality of merchandise. No change in quotations on Tunisan material was made.

Squaw Vine.—Spot quotations were advanced to 16c. to 17c. per pound with several lots totalling a substantial quantity moving into manufacturing consuming channels during the past week. The collection has not been up to normal thus far.

Witch Hazel.—Several lots changed hands at 8c. to 8½c. per pound and the moderate improvement in price varied a prolonged period in price inactivity had prevailed.

Yerba Santa.—Sales were made at 10c. to 11c. per pound, thus extending the rise in prices first reported some weeks back. The market had been slowly, but steadily, improving with undertones becoming somewhat firmer most of the time.

Miscellaneous

Cantharides. — Chinese flies were strengthening, mainly in sympathy with the situation in China and the danger of shipments being stopped. For this reason, local sellers have become somewhat reserved.

Colocynth Pulp.—Offerings were substantial in size out of spot stocks and local quotations were shaded once more to the basis of 37c. to 38c. per pound without stimulating much the interest of manufacturing consumers.

Grains of Paradise.—No further rise in quotations on this material took place last week, but the market was still showing much of the strength that caused the recent rise of 5c. in spot values. Stocks were conservative, and replacements had a fairly high cost.

Kola Nuts.—The source was a firm market in all respects and it was reported that sales of moderate quantities out of spot stocks might be accompanied by some further rise in local quotations.

Lycopodium.—Demand was mainly of jobbing description that built only a limited volume of sales by the close of last week. Conditions appeared to be favorable for buyers with firm orders in hand, but there were few of them last week.

Papain.—The spot value was firmly maintained, but trade was generally along conservative lines, as well as somewhat contracted. Reports concerning the exports from the primary market during 1936, and the first six months of 1937,were as follows:—

	Pounds	
	Year, 1936.	Six months, 1937.
United States	158,726	66,556
United Kingdom	63,328	40,824
Canada	716	800
France	2,974	1,099
Germany	2,219	1,008
Totals	227,963	110,287

Roots

Galangal.—The market tightened considerably. The item comes from China and it is shipped here from the port of Hongkong, in south China, and the serious situation caused in China by war between China and Japan was more than sufficient reason for local sellers to develop considerable reserve.

Lady Slipper.—The market worked up 2c. more, making spot quotations 50c. to 52c. per pound and in line with the advancing cost of the article in the primary market. Collections have been under normal thus far this year.

Mandrake.—The threatened shortage comes closer and dealers have paid advancing prices in the primary market in order to get out the moderate crop in hand at this time. Spot quotations were raised to 16c. to 17c. per pound during the past week.

Rhubarb.—Although fair sized quantities reached here from China in the previous week, it had been shipped prior to commercial exports from Shanghai being stopped by the war dropped into China by Japan. Spot sellers had exceptionally strong views on values as it was highly uncertain that resumption of exports would be an early development.

Senega.—Trade marked time, awaiting resumption of buying by European importers. Values have held remarkably firm during the season when, ordinarily, the collection of new crop root would be accompanied by falling prices in the Winnipeg market.

Seeds

Anise.—Star seed remained strong and until the future of supplies from China can be assured, high prices were expected to continue. Spanish seed was dull at unchanged prices.

Cardamom.—The only change came in quotations on green material, which item was lower at 92c. to 94c. per pound under competition. Decorticated and bleached goods remained steady.

Coriander.—The market eased back to 8½c. to 9c. per pound for natural, and to 9¼c. to 9½c. for bleached material, after a period in which difficulty in getting good quality goods in the primary market had been productive of advancing values.

Mustard.—Foreign markets were generally steady. Stocks will not be excessive as production has not been fully normal in all countries. California brown seed failed of further development as to price, but it appeared to be firmer. Demand was strictly routine in all senses of the word.

Poppy.—Slower request led to prices being shaded a small fraction and the market stood at 9¼c. to 9½c. per pound for Dutch seed last week. New crop polish for later delivery here worked out at 8¾c. per pound, but the spot position of the item was strictly nominal.

Spices

Cassia.—Batavia No. 1 material continued to rise and prices reached 16¾c. to 17¼c. per pound during the past week. Shortage of cassia buds was the report noted in most quarters. However, one quarter received forty cases in the previous week.

Clove. — Values eased fractionally, Madagascar material being priced at 15¾c. to 16c. per pound, while Zanzibar spice stood at 17c. to 17½c. Very little of the latter material was available at the source.

Ginger.—Cochin root was raised to 16c. to 16½c. per pound and continued to gather strength backed by very good request on a market not well stocked with the item. African root lacked further change, appearing to be generally steady. Jamaica root moved in close to normal fashion at full prices.

Mace.—Banda was higher at 57c. to 58c. per pound on a broader call for spot goods. Siauw and Batavia material lacked new developments but they also remained very steady.

Paprika.—Spanish goods were lower as follows:—Extra fancy, 26c. to 26½c. per pound; fair, 22½c. to 23c.; fancy, 25½c. to 26c.; medium, 24c. to 24½c. No change in Hungarian prices were noted but the item was notably easier under the influence of lower prices on Spanish goods.

Pepper.—Lampong was oc slightly to 6¾c. to 6⅞c. per pound in a somewhat sluggish market. Other kinds of black pepper lacked change. White and red peppers held steady as quoted in the previous trading period, but interest of buyers was limited to comparatively small quantities.

Trading in black pepper futures on the New York Produce Exchange from September 7 to September 10, inclusive, comprised 55 contracts, a total of 1,848,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
January	6.75	6.75	6.45@6.54
March	6.80	6.50	6.52@6.60
May	6.75	6.75	6.62@6.70
July	7.05	6.60	6.72@6.77
September	6.45	6.28	6.30@6.45

James K. Welsh has closed the New York office of James K. Welsh Company to become an officer of Clensel Products, Inc., 25 Broadway, this city. Operations of James K. Welsh Company will continue with headquarters at the company's office in Baltimore. Mr. Welsh continues in the management of the Baltimore company.

DuPont Makes 24 Awards For Chemistry Research

E. I. du Pont de Nemours & Co. has announced twenty-four fellowships for research in chemistry during the coming year. The awards are to promote the advance of science and scientific training and to cooperate with universities in carrying on advanced research. Six, of $2,000 each, are for post-doctorate work and eighteen, of $750 each, for post-graduate research.

Winners of post-doctorate awards in organic chemistry are:—

Dr. Oliver J. Grummitt, Cornell University.
Dr. Robert Jacobson, Harvard University.
Dr. John C. Sowden, Ohio State University.
Dr. W. S. Emerson, University of Illinois.
Dr. Arthur Magnani, University of Wisconsin.
Dr. Milton Koetel, University of Michigan.

Recipients of the post-graduate fellowships are:—

Kenneth C. Rule, Columbia University.
Richard L. Sawyer, Cornell.
H. E. Schroeder, Harvard.
Saul R. Buc, Johns Hopkins.
Thomas H. McConica, Chemical Engineering, Massachusetts Institute of Technology.
Charles E. Frank, Ohio State.
Ewald Rohrman, Pennsylvania State.
Leonard S. Echols, Jr., Princeton.
William J. Priest, Stanford.
Philip C. White, University of Chicago.
C. E. Denoon, jr., University of Illinois.
George W. Stroebe, Chemical Engineering, University of Michigan.
Malcolm M. Renfrew, University of Minnesota.
David T. Milne, University of North Carolina.
Harold J. Reed, University of Pennsylvania.
Stockton G. Turnbull, University of Virginia.
Therald Moeller, University of Wisconsin,
James Cason, Yale.

N.W.D.A. Is Enrolling Ad Agency Associates

A number of leading advertising agencies have applied for membership in the National Wholesale Druggists' Association under the opportunity to join with the wholesalers' organization as associate members on a basis comparable with that of manufacturing druggists and manufacturers of toilet goods and cosmetics. It is believed that this affiliation of agencies will greatly improve the coordination between advertising and merchandising programs of national advertisers in the drug and cosmetic fields. A closer tie-up of producers, distributors, and advertisers is held to be most desirable and constructive. The agencies who have already applied for membership are the following:—

Other agencies are said to be considering affiliating with the National Wholesale Druggists' Association. Those which already have applied are Brown & Tarcher, Inc., New York; Erwin, Wasey & Co., Inc., New York; Lawrence C. Gumbinner Advertising Company, New York; H. W. Kastor & Sons Advertising Company, Chicago; H. M. Kiesewetter, New York; Murray Breese Associates, Inc., New York; Ruthrauff & Ryan, Inc., New York; Stack-Goble Advertising Agency, Chicago; Wade Advertising Agency, Chicago; Young & Rubicam, Inc., New York.

Iodine Sources to Be Developed by Japanese

A new $150.000 company has been organized in Japan to recover iodine from subterranean brines which occur in the natural gas area of Otaki, according to information received by the Department of Commerce from the trade commissioner in Tokio. The organization, a subsidiary of the Otaki Natural Gas Company, will utilize a process developed by the Physical and Chemical Research Institute.

Japan, heretofore, has obtained its iodine supply from seaweed and has produced more than enough to satisfy the domestic demand. It is believed the new company will produce for export, particularly in view of the iodine cartel agreement entered into between Japanese and Chilean producers, by which Chile agrees not to sell iodine in the Japanese Empire, and Japan is allotted an export quota of 70 metric tons per annum, subject to revision every three months.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Essential Oils, Aromatic Chemicals

Anise and Cassia Higher as Sellers Conserve Stocks and Restrict Sales to Regular Customers—China Musk Strengthens —Terpineol Tends Up—Peppermint Quiet

Further advances in prices on anise and cassia oils made both of them still the focal point in the market developments on essential oils. Both were being offered with reserve. Lemongrass was slightly higher and a firmer tone prevailed. Peppermint was quiet at unchanged prices. Lemon and orange were in somewhat less active demand on new orders. California orange oil was no longer sold with protection against price decline. A fair crop of lavender oil seemed to forecast well stabilized prices. Spanish oils showed firmness and the size of future supplies remained uncertain. Bergamot was firmly held. Terpineol showed growing strength, and anethol and anisic aldehyde reflected the strength noted in raw material. Anethol was higher.

The influences were at work in the anise and cassia oil market. First, offerings from China have stopped. Second, difficulty in getting anise—when at all obtainable of a quality certain to meet the requirement of the trade prevailed. Taken together, they constituted conditions responsible for the sharp rise in spot prices. Furthermore, while both articles are shipped from Hongkong, which is a British crown colony in south China, it was stated that so far as anise was concerned the Chinese controlling the trade actually have Shanghai as a habitat. The result is the cautious attitude of local dealers.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Anise, 20c. per lb.
Anethol, 5c. per lb.
Cassia, 5c. per lb.
Lemongrass, 2c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week	Prev. week.	Last month.	Last year.
84.0	**83.8**	**83.3**	**76.7**

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Anise.—Finding it impossible to get offers from China, let alone to place orders for shipment oil, has led local dealers to take a nominal view on the market. They confine sales to regular customers and use caution as to the quantity they will sell on individual orders from such buyers. The market was nominal at $1.20 to $1.30 per pound.

Bergamot.—No change in the generally firm position of this oil took place last week. Local quotations were well held in keeping with the total absence of any easing of the strongly maintained prices in the primary market. Demand was routine.

Bois De Rose.—Firmness and stability characterized the price position of this material and with demand showing a fair prospect for consumption during the months immediately ahead, the spot quotations were well maintained in all quarters.

Cajeput.—Somewhat more inquiry was reported and the market was generally steady at well supported prices on the spot market. The replacement cost of the material was likewise steady, having a favorable effect on the price views of local dealers.

Camphor.—Reports indicated a firm market to prevail with replacement prices being well maintained in Japan. Reports of the Department of Commerce indicated that 26,800 pounds of oil had been shipped from China, through Shanghai, to this country in 1935.

Cassia.—Sellers on spot have stopped accepting business from all sources; they confine sales to regular customers and are disposed to be cautious as to the quantity they will sell on each order. This has resulted from their inability to get normal offerings from China. The nominal spot quotation was $1.20 to $1.30 per pound.

Citronella.—Fair but not large business on spot was noted at prices declared to be fully firm and lacking in unsettlement of whatever sort. Replacement costs were well maintained at the source, thus preventing the development of important competition locally.

Clove. — Very good demand was noted. Orders were numerous and in line with the normal movement of the material. Prices were steady in all respects, reflecting the lack of unsettlement in the cost of raw material.

Croton.—Routine request in a steady market was noted and prices showed a deal of the stability noted for some time past. Available stocks were ample for more than the current call for the item.

Eucalyptus.—Firm prices and an outlook that included nothing but strength so far as the future of this article during the coming winter was the report on this article last week. Sales already made have taken up important quantities of oil coming forward.

Geranium.—The market was steady with demand showing a moderate volume that was expected to be increased when manufacturing consumers swing into the larger activity which is expected to develop in the not far distant future. Replacement costs were steady.

Ginger.—Very fair call was reported and the market position was one of substantial stability at prices fully maintained in all directions. Production costs held to the higher levels set some time back.

Juniper.—Trade was quiet but fairly steady, involving fair quantities of material that moved at prices declared to be well stabilized in local circles.

Lavender. — Ample supplies of this item were expected to be forthcoming from France as at this time it seemed probable that the crop would be normal and available at prices that forecast a period of substantial stability in local circles.

Lemon. — Demand has tapered off somewhat. While fair quantities were still moving out under contract, new business was none too lively. Notwithstanding this situation, the prices were firmly held because of conditions distinctly indicative of strength in the primary markets.

Lemongrass. — Slightly higher spot quotations at 42c. to 43c. per pound were noted but the market did not in fact appear to be very active and trading was along lines distinctly routine in all respects.

Mustard.—A Treasury Department ruling has raised the duty on artificial oil to the basis of 6c. per pound and 30 percent ad valorem, taking the action under paragraph 2 of the 1930 tariff act.

Orange. — The sole development of major importance of late has been the withdrawal of price protection against decline in the quotations on California oil. The withdrawal was effective September 7 and put the California article on the same sales basis as all other varieties of this oil. It was said that the plan of price protection had resulted in favorable business for the domestic producers.

Peppermint. — The market was fully quiet. Prospect of a normal production was thought to be very good and such prospect has been at least productive of an end being put to the reports that had, earlier in the distillation season, forecast a 300,000 pound output this year. At this time, 900,000 pounds were expected to be the yield. Prices to the actual distillers have been reduced by primary market dealers in some areas in the Middle West.

Pimento.—Small stocks and high cost to replace was more than enough reason for the firm maintenance of spot quotations. In addition to this strengthening element was the presence of very fair demand.

Rosemary. — Signs failed to suggest

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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that lower prices would be established on new crop oil. The market appeared to be fully firm as the quantities forthcoming from the primary market were expected to be conservative.

Sandalwood.—Fair sales of this item were reported by most suppliers and the market retained a firm and well stabilized position throughout the past week. Stocks were sufficient.

Spearmint. — Routine trading at full prices confirmed the steady to firm position noted for some time past. The crop was expected to care for manufacturing requirements but no surplus production has been indicated. Hence, well maintained prices were expected unless demand shall' slump badly—which seemed unlikely last week.

Tansy.—Production has been conservative in size and fairly high in cost. Hence, values were on the firm side, especially in view of the fact that some improvement in interest has developed among buyers.

Thyme.—Stocks were conservative and likely so to remain unless a sharp change in the prospect for getting normal shipments from the primary market shall develop. Sellers were reserved.

Wormseed.—The future of the article would seem to depend a great deal on the export business to be developed in the future. Crop prospects have been reported as being fair, though there remained the always present uncertainty as to how high the quality of oil will average this year.

Aromatic Chemicals

Anethol.—The strong position of raw material has strengthened the position of this material and prices rose to $1.20 to $1.25 per pound. Producers said that prices would be probably maintained at current levels until and if it prove to be impossible to get any oil whatsoever from China. At the moment no oil is offered.

Anisic Aldehyde.—The market was fully firm in keeping with the lack of normal offerings of raw material from the primary market. Prices were well maintained and a subsurface strata of substantial strength appeared to be growing.

Borneol.—Small stocks not likely to be increased materially were the rule, and hence the market was in firm position. Demand was no more than ordinary.

Carvol.—Ordinary trade was the rule and a firm but not unusual market prevailed on this item last week. Quotations were well held in all quarters. Supplies were about normal.

Castoreum.—Although trade was entirely routine, it had a stable quality that tended to keep quotations firm and well held on both the natural and synthetic product.

Citronellol.—Business was not very active. Most trade was held down to comparatively small lots, but the total volume was fairly satisfactory and aided in the maintenance of steady prices at all times.

Diphenyl Oxide.—Demand was very fair in size. Orders involved normal quantities of the item and they came in steadily throughout the past week. Prices continued in well stabilized position.

Ethyl Cinnamate.—Trade was routine. Buying was fairly active for moderate-sized quantities and business done gave a steady undertone to the market as a whole.

Eucalyptol.—Firm undertones ruled the spot in keeping with the total absence of a more favorable outlook on the cost of raw material. With the busier period of the year about to begin, the situation was one of fair strength.

Eugenol.—The firmness of the market traced to the similar position occupied by raw material, which was in very fair request at full prices last week. Demand for eugenol was steady and close to that usual for the material.

Musk.—The situation in China made for a strengthening of prices on the natural material. Stocks were moderate on the spot and were being conserved by sellers taking a slightly reserved view of the market. Synthetic material covered most of the demand, however, at prices substantially low and entirely favorable to buyers.

Terpineol.—A strengthening of the market on this item was noted because of a lack of normal supplies of raw material at normal prices. Higher quotations on the derived product were expected to develop.

Lee Williamson Injured

BALTIMORE, Sept. 8, 1937.

R. E. Lee Williamson, secretary of the Federal Wholesale Druggists Association, was painfully injured in a collision of his automobile and another in Baltimore September 4. His right collarbone was fractured and one arm was lacerated, and he suffered considerably from shock.

After spending three days in a hospital, Mr. Williamson went home, and he was back at his office this forenoon, fixed up in a cast which, he says, reduces his "mechanical efficiency" about 50 percent. The finding of his doctors is that he sustained no serious injury beyond the clavicle fracture, and he says that he is getting along very comfortably.

Mustard Oil Duty Raised

WASHINGTON, Sept. 9, 1937.

Artificial mustard oil should take a duty of 6 cents per pound and 30 percent ad valorem, under paragraph 2 of the 1930 tariff act, the Treasury Department has decided. This represents a higher duty than has heretofore been assessed on the imported product.

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(Continued from September 6 issue)

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Glue
Glycerin
Gutta-percha
Japan wax
Hemlock bark extract
Hydrocarbons
Iron alginate
Iron oxide
Keratin
Lead oxide, red
Lead resinate
Lanolin
Lignoprotein
Ligroin
Ligroin, chlorinated
Linseed oil
Linseed oil with waxes
Litharge
Mazola oil
Magnesium alginate
Manganese resinate
Methanol
Methyl acetate
Methyl laurate
Methyl myristate
Methyl oleate
Methyl palmitate
Methyl ricinoleate
Methylacetone
Methylcellulose
Naphtha
Naphthalene
Naphthalene derivatives
Naphthalene-formaldehyde condensation products
Naphtholsulphonic acid condensations
1-Naphtholsulphonic acid condensations
2-Naphtholsulphonic acid condensation products
Neatsfoot oil
Oils
Oils, chlorinated
Oils, mineral
Oils, vegetable
Oils, vegetable chlorinated
Olive oil
Ovarol
Ozocerite
Ozocerite, chlorinated
Paraffin
Paraffin, chlorinated
Petroleum
Petroleum, chlorinated
Phenol
Phenol esters
Phenol phosphoric acid esters
Phenol-aldehyde condensation products
Phenolsulphonic acid condensation products
Phosphorus oxychloride condensation products
Phosphotungstic acid
Pine tar
Pitch
Potassium alginate
Potassium-aluminum alginate
Potassium-copper alginate
Potassium-iron alginate
Potassium-zinc alginate
Proteid precipitating agent
Quebracho wood extract
Rapeseed oil
Resins
Resin chlorides
Resin esters
Ricinola
Ricinoleates
Rosin
Rosin chlorides
Rosin oil
Soap
Sodium alginate
Sodium-aluminum alginate
Sodium-cadmium alginate
Sodium-copper alginate
Sodium-iron alginate
Sodium-zinc alginate
Starch
Sugar
Sulphur
Sulphur dichloride
Sumac extract
Tallow
Tannic acid
Tannin substances
Tanning compounds
Tragacanth
Tragasol
Trichloroacetic acid
Tung oil
Tung oil, polymerized
Turpentine
Turpentine pitch
Valonia extract
Varnish
Varnish, copal
Varnish, dammar
Viscose
Wattle bark extract
Wax
Wax, chlorinated
Willow bark extract
Zinc alginate
Zinc white

Lubricants for Leather

Anarol
Antonit
Aqualube, anhydrous
Arctic shark oil
Beeswax
Blown seal oil
Birch oil
Bretolene
Bursoline
Carnauba wax
Castor oil
Castor oil, cold drawn
Castor oil, sulphonated
Coast cod oil
Cod oil
Codliver oil
Corn oil
Cottonseed oil
Degras
Dogfish-liver oil
Egg yolk
Emulsifying oils
Emulsionon
Emulsive oils
Emulso
Epsol
Evensol
Evenol
E-Z-sol
Fat liquors
Fat liquor soap
Fibrol
Fish oils
Fish oil sulpho-oleates
Forbesol
Gargoyle curriers vac-greases
Glycerin
Glycerin substitutes
Glyco-neats
Greases
Homogenit
Humidisol
Hydoll
Japan wax
Kromeko
Kromoline
Lakeko
Lanolubric
Lard oil
Leatherlubric
Lethapol
Levelol
Linseed oil
Mazola
Menhaden oil
Meritol
Migasol
Mineral oils
Mohlene
Mohlive
Mystol
Neatsfoot oil
Nopcocod
Nutricod
Olein soap
Oleostearin
Olive oil
Ovarol
Oxyvol
Pale seal oil
Pale rapeseed oil
Paraffin oil
Rapeseed oil
Ricinola
Rosin oil
Saxon
Seal oil
Sesame oil
Setine
Shark oil
Shark-liver oil
Shirlan D
Skin grease
Sod oil
Soluble sole leather oil
Sorbitol
Sperm oil
Stearin
Sulfal
Sulphonated mineral oils
Sulphonated oils
Sulphoricinate
Supremo
Tallow
Tallow oil
Teaseed oil
Tergitol
Turkey red oil
Victory neats
Waxes
Whale oil

Odorants Used in Making Leather

Acetaldehyde
Acetophenone
Airdoux
Ajonc
Aloha
Amyl acetate
Amyl benzoate
Amyl butyrate
Amyl cinnamate
Amyl salicylate
Amyl valerianate
Amylcinnamic aldehyde
Analine
Anise oil
Aubepin S
Bay oil
Benzaldehyde
Benzophenone
Benzyl acetate
Benzyl alcohol
Benzyl butyrate
Benzyl formate
Benzyl phenylacetate
Benzyl propionate
Bergamot oil
Bergamot, synthetic
Betanaphthol
Betanaphthol ethylether
Birch tar oil
Bois de rose oil
Bouquet 1932, 61933, 9-F, 1221, 72033, 92633, 12334M, 1633B, 11334M, 12634M, 31234M, 5234M, 32934M
Bouquet B (57, 83, 85, 95, 112, 115)
Bouquet dechene
Bouquet de fleurs
Bouquet P (175, 222, 231, 352, 361, 370, 383, 384, 386, 408, 413, 420, 423, 428, 469, 470, 471, 483, 492, 494, 495, 504, 505, 526, 530, 533, 555, 578, 579, 582, 583, 638, 652, 654, 5010, 5133, 51633)
Bouquet pine
Bouquet Russe imperial
Borneol
Borneol acetate
Bromostyrene
Cajeput oil
Camphor oil
Cassia oil
Capriol
Caprol
Carnation
Cedarleaf oil
Cinnamic alcohol
Cinnamic aldehyde
Cinnamol
Cinnamon oil
Cinnamyl acetate
Citral
Citrene
Citronel
Citronelene
Citronella oil
Citronellal
Citronellol
Citrosas
Clematine
Clove oil
Clover buds

(To be continued)

Petroleum Solvents, Lubricants, Fuels

Gasoline Appears Softer at Midcontinent — Stocks Increased for First Time in Many Weeks—Solvents and Naphthas Steady — Crude Flow Off

The refined oil market had a softer appearance last week. Gasoline stocks were increased for the first time in many weeks. Gasoline prices in the Midcontinent area were soft. The heavy flow of crude was responsible for the market's loss of its edge and many observers were fearful of a break in prices when the gasoline consumption starts to slump off a few weeks hence. For the present, the consumption of gasoline was good, extending from the Labor Day holiday right through the week under review.

Petroleum products used as industrial raw materials were favored with a mild improvement in demands last week. The solvents and naphthas moved out of the refinery points in better fashion, particularly in the middle West. Industrial activity among consumers of these products was better in the mid-West than it was along the Eastern seaboard. Prices for solvents held a steady position.

Fully refined paraffin wax was steady with a fair amount of buying interest shown. The prices for scale wax here weakened a little as a result of the slash in Pennsylvania crude prices which took place at the beginning of the month.

Daily average production of crude oil in United States for the week ended September 4 was 3,692,550 barrels, a reduction of 52,950 barrels from the revised figure of 3,745,500 barrels in the preceding week, according to the estimate of the American Petroleum Institute. The average for four weeks ended September 4 was 3,721,500 barrels and the average at this time a year ago was 3,008,550 barrels. Runs of crude oil to stills were reported to the A.P.I. by companies controlling 88.9 percent of the nation's refinery capacity, as having averaged 3,146,000 barrels daily for 85.9 percent of operation. An additional 299,000 barrels per day was believed to have been sent to stills unreported for a total daily average of 3,445,000 barrels against 3,425,000 barrels during the preceding week.

Solvents and Diluents

Ordering of petroleum solvents and naphthas by manufacturing consumers showed a nice pick-up last week, particularly in the middle West. The paint, varnish and lacquer manufacturers in the central West seemed to be ordering somewhat faster than those in the East. However, Eastern suppliers of these products reported an improved state of trade following the Labor Day holiday. Prices at the refinery points and also in the tankwagon markets in leading Eastern and middle Western cities were unchanged. Steadiness was prominent in the market despite a softer situation in the gasoline prices at the Midcontinent.

Cleaners' Naphthas.—Prices held at the long standing position of 7⅜c. to 7⅝c. per gallon for tankcar quantities at the Midcontinent refineries, basis Group 3. The demands of the market have improved slightly.

Lacquer Diluents.—The needs of the lacquer manufacturers have broadened since the passing of the Labor Day holiday. The mid-Western market was reported to have been quite active and the movements into consumption in that sector were broader than those in the East. Prices remained stationary throughout the week.

Petroleum Thinners. — Tankwagon prices held without change here and the bulk market has been steady since the recent reduction at Bayonne and Northern New Jersey refineries where 9½c. per gallon was now quoted. The Midcontinent market was unchanged. The demands in the Chicago district were reported as having been quite active last week.

Stoddard Solvent. — The wholesale cleaners' activities in the market were mild at this time. The demands have not shared in the improvements noted for some of the other petroleum solvents. Prices for tankcar lots at the Midcontinent refinery market continued unchanged at 6⅞c. to 7⅜c. per gallon, basis Group 3.

V. M. & P. Naphthas.—Despite the softness in the gasoline market at the Midcontinent, prices for this material at the Midcontinent held firm at 7⅜c. to 7⅝c. per gallon for tankcars, f.o.b. Group 3. The demands from the paint manufacturing industry improved following the termination of the Summer season. This was particularly noticeable in the middle West. The local tankcar and tankwagon markets were steady.

Markets at Other Centers

Chicago, Sept. 9.—Most industries that are buyers of petroleum diluents and solvents were reported to be furnishing considerable orders at the present time. Inquiries for the various grades of material were indicative of a good overall interest. Shipments to the trades are steady, for the most part. Ruling prices in tankcar lots, except as noted, were (tankcar prices f.o.b. Group 3, Oklahoma):—Blending naphtha, 5c. to 5¼c. per gallon; cleaners' naphtha, 7⅜c. to 7½c. per gallon, tankcar; 17.1c., tandkwagon; petroleum spirits, 6⅜c. to 6½c., tankcar; 15.8c., tankwagon; lacquer diluent, 8⅜c. to 8½c.; rubber solvent, 7⅜c. to 7½c.; Stoddard solvent, 6⅞c. to 7c., tankcar; 15.8c., tankwagon; v.m.&p. naphtha, 7⅜c. to 7½c., tankcar; 18.1c., tankwagon.

Tulsa, Sept. 9.—The movement of solvents and naphthas was fair and prices were holding firm despite the softness in the gasoline market. Stoddard continued at 6⅞c. to 7⅜c. per gallon while the cleaners ranged from 7⅜c. to 7⅝c. per gallon.

Lighter Fractions

Petroleum hydrocarbons in the light solvent fraction group did not contain much for market comment last week. Things moved along in very routine fashion with prices holding at the levels that have been quoted by the sellers for the past few months. Industrial consuming demands were light.

Butanes.—Tankcar prices continued at the long existing price levels of 2½c. to 3¾c. per gallon, basis Group 3, for material testing 16-34 degrees, according to the number of cars used per month.

Hexane.—Conditions surrounding the market for this commodity were steady and unchanged from those of recent weeks. Prices held a steady place and the demands of the market were described as having been routine.

Octanes.—This mixture also shared in the steadiness of the general market for petroleum hydrocarbons in the light solvent class. Prices were based at 10½c. per gallon for tankcars, basis Group 3.

Petrolatums and Waxes

White Mineral Oils.—The sellers could not point to a change from the slow and dragging condition of the market during recent weeks. The bottlers of U.S.P. oil usually come into the market for volume lots in the Fall but there has been no evidence of added buying as yet. Prices continued unchanged. Technical oils were firm.

Paraffin Waxes.—Prices for 124-126 American melting point eased off to the basis of 2.95c. to 3c. per pound, a reduction of 5 points. The price for 122-124 American held at 2.95c. per pound flat. There was no basic change in the latter grade although it was previously quoted on a range up to 3c. per pound. The drop in the higher melting point grade was said to have been a reaction that followed the recent slash in Pennsylvania crude prices. Sellers reported the market as having been steady at these levels and indicated that it would be difficult to pick up substantial or even fairly moderate quantities of wax in the fields at these prices. The fully refined waxes held steady and were unchanged in price. There was not much buying activity for either scale or fully refined.

CHICAGO, Sept. 9.—The refined wax market continued to reflect a feeling of considerable optimism on the part of sellers. Buying has been fairly steady, mostly in limited lots, but in a sufficiently large number of cases to reach a good aggregate. Inquiry was good. Ruling prices were:—122-124, 4.65c. to 4.75c. per pound; 125-127, 4.9c. to 5c.; 127-129, 5.05c. to 5.15c.; 130-132, bulk or bag, 5.45c. to 5.55c.; 132-134, bulk or bag, 5.7c. to 5.8c.

TULSA, Sept. 9.—The scale wax market continued in a strong condition with quotations ranging from 3c. to 3.20c. per pound for the 124-26 grade.

Petrolatum. — The market held a steady position and did not show any effect from the slash in Pennsylvania crude oil prices which took place at the beginning of the month. Sellers were holding firmly for the asked prices. The demands were light although export interest was broadening.

Fuels and Lubricants

An increase in the gasoline stocks in storage—the first since the Summer began—and a softer condition in the Midcontinent market were the important events in the market for refined oils last week. The prices in the Eastern seaboard market did not change and the markets appeared somewhat steady here, perhaps because of a sustained rate of consumption. Whether or not the market will soften when the seasonal drop in consumption takes place a few weeks hence, remained to be seen. There was a good deal of export activity in the Pennsylvania lubricating oil market following the break in prices a week ago.

Market Conditions

Gasoline. — For the first time in many weeks, gasoline stocks in storage increased; throughout the entire Summer, stocks have been decreasing. The A.P.I. report for September 4, showed national stocks of 67,048,000 barrels against 66,997,000 barrels in the preceding week. The increase was the result of the heavy crude runs and was not an indicator of decreased consumption. There was a heavy flow of gasoline into consumption over the Labor Day holiday and the demands continued in volume through the remainder of the week under review. The price situation was softer at the Midcontinent, but the position of the local bulk market was not unsteady. U. S. motor below 65 octane continued at 7¾c. per gallon, in tankcars, at the refineries here. Export prices at the U. S. Gulf continued unchanged last week with quotations as follows:—U. S. motor, 6⅛c. per gallon; 60-62, 400 e.p., 6¼c. per gallon; 60-62, 390 e.p., 6¼c. per gallon, and 64-66, 375 e.p., 6⅜c. per gallon.

Kerosene. — It is too early in the season for kerosene to show an improvement of position. The demands should broaden in a few weeks however, when the temperatures begin to fall. The price for 41-43 water white material continued at 6c. to 6⅛c. per gallon for tankcar quantities, f.o.b. refinery. The export market at the Gulf held at the revised quotations of a week ago which were 5c. per gallon for prime white and 5¼c. per gallon for water white.

Outputs and Quotas

A comparison of Bureau of Mines calculations for September production, state allowable quotas where they exist and the American Petroleum Institute's estimate of crude production for the week ended September 4 follows:—

	B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma ..	633,600	600,000	639,500
Kansas	200,900	196,250	192,550
Texas	1,413,600	1,441,734	1,510,000
Louisiana ...	247,900	265,495	265,100
Arkansas ...	29,900	.....	36,300
Eastern	124,300	.....	140,800
Michigan ...	40,400	.....	48,550
Wyoming ...	55,900	.....	54,200
Montana	18,200	.....	17,850
Colorado	5,000	.....	4,800
New Mexico.	101,400	114,000	114,200
California ...	638,200	*638,200	668,700
Totals	3,462,900	.....	3,731,450

* Recommendation of Central Committee of California Oil Producers.

Fuel and Gas Oils. — Sellers continued to quote $1.35 per barrel for C grade bunker oil at the local terminal points. While there were reports of lower-priced offerings, the leading suppliers seemed firm in their views. The Diesel oil market was steady and unchanged.

Lubricating Oils. — Export interests were active in the market following the break in prices of Pennsylvania oils a week ago. There was quite a bit of buying done at the new prices. Pennsylvania bright held at 20c. per gallon, exclusive of tax. The neutrals and cylinder oils were also steady and in fairly good request.

Markets at Other Centers

Tulsa, Sept. 9.—Trading in refined oil became quieter in the Mid-continent fields. The large gasoline consumption over the Labor Day holidays has not been followed by orders to replenish stocks. There was no urgency in the buying in light oils, but the demand for burning oils is expanding somewhat. But in these products as well as in gasoline, offerings appear to be coming into the market more freely than in the period preceding the holidays. Natural gasoline was the one outstanding strong spot in the market. Manufacturers are literally swamped with orders and some important business is said to be overhanging the market. Expections of higher prices prevail. Manufacturers believe that advances may be from ⅛c. to ¼c. per gallon.

Although curtailment of throughput at the refineries is discussed not sufficient time has elapsed thus far for its effect to be felt on the markets. The full effect of the reduction in crude oil output is still also to be felt.

There is a disposition in some refining circles to keep selling ahead. This is a condition particularly noticeable among smaller plants. The unsettlement in the crude oil markets throughout the country brought some fear among refiners. However, there is no indication, among the large crude buyers of the Mid-continent to reduce prices in the very near future. Unquestionably they will await the reaction of the lower well allowable in most of the Southwestern states before adopting a new policy.

GASOLINE.—While most of the refiners are maintaining their quotations, there is

The State of the Petroleum Market

There were no changes in crude oil prices last week. Gasoline was soft at the Midcontinent refineries.

	Sept. 10	Sept. 3	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.362	$1.362	$1.286
Gasoline prices at refineries (at four refining centers) per gallon.....	.056875	.056875	.054375

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

VIKING
Petroleum Solvents
PENTANE
HEXANE HEPTANE
PETROLEUM ETHER
LIGROIN BENZINE
LOW COST - HIGH QUALITY
Special Solvents for Specific Purposes
VIKING DISTRIBUTING CO.
KV. BLDG., CHARLESTON, W.VA.

A. C. DRURY & CO., Inc., INTERNATIONAL MERCHANTS
Chemicals - Essential Oils - Synthetics - Bouquets
Talc - Clay - Waxes
219 East North Water Street Phone Superior 5940 Chicago, Ill.

SHERWOOD'S WHITE OILS
GUARANTEED QUALITY — ALL GRADES
SHERWOOD PETROLEUM COMPANY, INC.
REFINERY — WARREN, PA. MAIN OFFICE — BUSH TERMINAL, BROOKLYN, N. Y.

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1937 Jan. 1-Sept. 11	1936 Jan. 1-Sept. 11
Commercial crude oil production	875,917,000	738,859,000
	Week ended Sept. 11, 1937	Week ended Sept. 12, 1936
Daily average production	3,693,700	3,000,700
	Week ended Sept. 4, 1937	Week ended Aug. 28, 1937
Estimated motor fuel stock total	67,048,000	66,997,000
Estimated finished motor fuel stock at refineries	35,818,000	36,006,000

some shading of prices at a few points. Some trades of the U. S. motor grade at 4⅝c. a gallon were reported, although the quotations at the most of the plants continue at 4⅞c. to 5c. per gallon. While most of the quotations also remain at 5⅜c. to 5⅝c. for the 63-67 octane, there was some 65 octane that changed hands at 5¼c. per gallon. The 68-70 remains at 5⅝c. to 5⅞c. per gallon, but there were also some scattered sales reported at 5½c. for the 68 rating.

NATURAL GASOLINE.—The 26-70 grade is 4c. per gallon in Oklahoma and 4½c. in Texas; 14 pound is 5c. to 5⅜c. and the 18 pound 4¾c. to 4⅞c. per gallon.

KEROSENE.—Trading is quiet with most refiners quoting 4c. to 4½c. per gallon although some trading was done at 3⅞c. per gallon. The 42-44 ranges from 4c. to 4⅜c. per gallon.

DISTILLATES.—More trading occurred in these products this week than for some time past. Although the large buyers are maintaining a firm position of unwillingness to sell, more offerings have come into the market from the smaller plants and the No. 1 prime white was moved at 3¾c. per gallon with quotations remaining at 3¾c. to 3⅞c. per gallon. No. 2 straw remains at 3½c. to 3¾c. per gallon, although some trading in the zero grade was reported at 3⅜c. per gallon. The latter, however, is not typical of the position of the market. Gas oils are 3½c. to 3½c. per gallon.

FUEL OILS.—The 24-28 grades are 90c. to 95c. per barrel for the high cold test and $1.07½ to $1.12½ per barrel for the low cold test. Residuals remain in good demand and supply at 80c. to 85c. per barrel.

Chicago, Sept. 9.—The trade demand for gasoline continued to hold up in good volume, based on a persisting active amount of consumer buying. Even though the fall season is at hand, there has been little as yet. Labor Day brought forth a large volume of demand. Most refiners serving the middle western trade are busy planning the current change-over to a new octane bracket set-up, to conform to the new L-3 method of testing octane rating of motor fuels. Kerosene is beginning to show a better aspect. Buying is increasing. Heating oils, too, are in better tone. The heavy fuels and gas oils are continuing steady. Lubricating oils are unsettled in the wholesale market.

GASOLINE.—Low octane motor, 5c. to 5¼c. per gallon; middle octane motor, 5⅜c. to 5⅝c.; high octane motor, 6c. to 6¼c.; 60-62, 400, 5c. to 5¼c.; 64-66, 375, 5c. to 5¼c.; 68-70, 360, 5¼c. to 5½c.

KEROSENE.—42-44, water white, 4¼c. to 4½c. per gallon; 41-43, water white, 4c. to 4¼c.

FURNACE OILS.—No. 1 prime white, 3⅞c. to 4c. per gallon; No. 1 straw, 3⅝c. to 3¾c.; No. 2 straw, 3½c. to 3⅝c.; No. 2 dark, 3¼c. to 3½c.; No. 3, 3⅛c. to 3⅜c.; 32-36, dark, industrial gas oil, 3c. to 3⅛c.

FUEL OILS.—No. 4, $1.07½ to $1.12½ per barrel; No. 5, 85c. to 90c.; No. 6, 80c. to 85c.

New Orleans, Sept. 7.—The domestic market held its own again this week with quotations remaining steady. Foreign inquiries and exports were good. U. S. motor gasoline was quoted at 6½c.; U. S. motor, below 62 octane, 6½c.; 63 to 67 octane, 6⅞c., and 68 to 70 octane, 7¼c., all at refinery.

Kerosene continued at 7⅜c. per gallon at refinery.

The price of bunker C fuel oil remained at $1.05 per barrel at terminal and $1.10 per barrel delivered alongside. Industrial plants were quoted on a basis of $1.36 per barrel delivered.

Victor Chemical Oversubscribed

The first public stock offering in the thirty-five years' existence of the Victor Chemical Works, Chicago, was made August 31, in the amount of $2,850,000, through the marketing of 150,000 shares of $5 par value, each being priced at $19. The issue was rapidly oversubscribed. Of the offering, 75,000 shares represents new financing, and of the proceeds, $1,000,000 is to be used for acquisition of real estate and erection of an electric furnace and chemical plant at Mount Pleasant, Tenn., where electricity in abundance will be available for the manufacture of phosphoric acid. About $175,000 will go for expansion of the company's two plants at West Nashville, Tenn., and Chicago.

Petroleum Industry Is Without Trade Rules

(Continued from page 3)

to be under the trade practice rules of 1931, have not been in accordance with either the letter or the spirit of the rules and that their interpretations and activities were without the approval and sanction of the commission.

The commission's statement says:—

The commission, August 10, 1931, promulgated trade practice conference rules for the petroleum and petroleum products industry, signifying its approval of group I rules and its acceptance, as expressions of the industry, of group II rules.

The said rules were superseded, August 19, 1933, by the approval of the Code of Fair Competition for the said industry under the National Industrial Recovery Act, in connection with which a petroleum administrator was appointed by executive order; under such code and Petroleum Administrator the said industry operated until the invalidation of the N.I.R.A. code in May, 1935.

Subsequently, groups of the petroleum industry east of the Rocky Mountains formulated and laid before the commission, with application for approval, proposed new trade practice conference rules.

The commission, January 16, 1937, by public announcement, invited all persons having an interest in the said trade practice conference rules of August 10, 1931, to present to the commission in writing on or before February 1, 1937, such views and information as they might desire to submit as to why the commission's approval and acceptance of said rules should not be formally rescinded.

Upon application of interested members of the industry, a public hearing was announced for and held on February 24 and 25, 1937, at which time all persons who wished to present their views were heard by the commission.

The commission, after fully considering all views presented in writing, all matters presented at the said hearing, and other evidence in its possession, finds that the said trade practice conference rules of 1931 have been treated by the industry generally as of no further force and effect from and after the approval of the N.I.R.A. code, except that certain members of the industry in the Pacific Coast area, and particularly in the State of California, have purported, subsequent to the invalidation of the said N.I.R.A. Code, to resume operation under said rules of 1931 as interpreted by them; but that they did not act in accordance with either the letter or the spirit of the said rules, and that their interpretations and activities were without the approval or sanction of the commission.

The commission concludes that the said trade practice conference rules of August 10, 1931, cannot, in the public interest, be accorded the sanction of the commission; and further concludes that the approval or acceptance of the proposed new rules in the form presented to the commission would be contrary to law and the public interest.

DuPont Adds 'Cellophane' Unit

E. I. duPont de Nemours & Co. has acquired a large tract of land just outside the city limits of Clinton, Iowa, where it will erect a manufacturing plant costing several million dollars, for the production of "Cellophane" cellulose film. The plant will employ approximately 500 persons, nearly 80 percent of them being recruited locally. The plant proper, the first "Cellophane" production unit west of the Mississippi river, will comprise about twenty acres under roof. The new Iowa location will extend existing "Cellophane" production centers to four.

Mallinckrodt Enlarges Its New York Office, Warehouse

Business at the New York city branch of the Mallinckrodt Chemical Works, St. Louis, Mo., has grown so substantially as to make necessary an increase in office and warehouse space, and the company has taken a long term lease on property adjoining the present building at 72 Gold Street, this city. Extensive alterations of the new premises are underway and when completed will connect directly with the present office and warehouse. A substantial increase in office space and storage facilities will enable the company to serve its customers with improved efficiency in about a month.

Coaltar Dyes Strength Standards Issued

The Bureau of Customs has just published supplementary list No. 52 of proposed standards of strength of imported coaltar dyes. The list, which was approved August 27, 1937, is as follows:—

Std. No.	Class index.	Name of standard.	Mfr.	Partial list of trade names of imported products commercially identical with each standard.	Mfr.
1 BS	(A)	Alizarine light violet 2RC	(S)		
2 BS	(A)	Anthralan red B	(IG)	Kiton fast red 2BLE	(J)
3 BS	(A)	Anthralan red GG	(IG)	Kiton fast red GL	(J)
4 BS	(V)	Ciba violet RN paste	(J)	Ciba violet RN paste and powder	(J)
5 BS	(Da)	Cupranil brown BV	(J)		
6 BS	(SV)	Indigosol olive green 1B	(D-H)	Indigosol olive green 1B	(IG)
7 BS	(A)	Neolan black WA extra N	(J)	Pilatus fast black WAN ext. conc.	(IG)
8 BS	(A)	Neolan green BG	(J)	Pilatus fast green GBN	(IG)
9 BS	(A)	Neolan grey BC	(J)	Erganil grey BC	(IG)
10 BS	(V)	Vat scarlet GG paste	(IG)	Vat scarlet GG paste and powder.	(IG)
11 BS	(L)	Vulcanosol yellow 5G 15% paste.	(IG)	Vulvan fast yellow 5G powder	(IG)

Additional Names of Dyes Corresponding to Dyes Already Adopted as Standards

38	S-VII-1219, C-1152	Algol brown G paste	(By)	Cibanone brown BG micro powder.	(J)
				Cibanone brown BGNY micro powder for padding	(J)
39	S-VII-1227, C-1151	Algol brown R paste	(By)	Cibanone brown GRNY micro powder for padding	(J)
44	S-VII-1224, C-1150	Algol olive R paste	(By)	Cibanone olive RRNY micro powder for padding	(J)
148	S-VII-1249, C-1095	Anthraflavone GC paste	(B)	Cibanone yellow GC soluble micro powder NY	(J)
				Cibanone yellow GC paste and pdr.	(J)
154	S-VII-1237, C-1114	Anthrene blue BCS 20% paste	(NCW)	Cibanone blue GFNY micro powder for padding	(J)
				Cibanone blue GLNY micro powder for padding	(J)
3 BE	(DAS)	Artisil direct orange 3R paste	(S)	Acetoquinone orange NJ	(Kuhl.)
156	(B)	Astra phloxine FF extra	(By)	Brilliant rhodamine F extra conc.	(J)
169	S-VII-180, C-145	Azo flavine RS	(B)	Lonabarc silk yellow R (Lonabarc Trdg. Co.)	
3BF	(Da)	Benzo chrome black blue B	(By)	Chrome diazol blue NR	(Kuhl.)
192	S-VII-342, C-353A	Benzo fast heliotrope 5RH	(By)	Direct light violet 5R	(P)
198	S-VII-566, C-278	Benzo fast red 8BL	(By)	Direct fast red 8B conc	(S)
201	S-279, C-327.	Benzo fast scarlet 4BS	(By)	Direct fast scarlet 4BS conc.	(N.V.F.)
217	S-VII-371, C-388	Benzo violet R	(By)	Direct chloramine violet RS extra conc	(P)
223	S-VII-767, C-667	Brilliant acid green 6B	(By)	Brilliant milling green 6B	(P)
230	S-424, C-518.	Brilliant benzo blue 6B	(By)	Direct sky blue FF conc.	(N.V.F.)
				Viscose blue NJ	(Kuhl.)
1 BG	(A)	Brilliant indocyanine G	(IG)	Xylene brilliant cyanine G	(S.)
279	(D.A.S.)	Celanese SRA orange I 10% paste	(B.C.)	Acetoquinone orange N4R	(Kuhl.)
295	S-VII-507, C-512	Chicago blue RW	(A)	Diazol blue NRW	(Kuhl.)
				Jaune phebamine FF	(Kuhl.)
305	S-VII-935, C-814	Chloramine yellow FF	(By)	Oxyphenine GG	(C.A.C.)
		Chrysophenine G	(L)	Chrysophenine G conc (Taikoku Senryo)	
350	S-304, C-305.				
6 BM	(DAS)	Cibacete yellow GN	(J)	Artisil direct yellow GNP	(S)
409	S-VII-1204, C-1077	Cyananthrol BGA	(B)	Supracide blue NJ	(Kuhl.)
432	S-VII-610, C-319	Diamine fast brilliant blue R	(C)	Visco fast blue A	(S)
446	S-VII-405, C-409	Diamine orange B	(C)	Diazol orange NB conc	(Kuhl.)
529	S-VII-396, C-403	Diphenyl fast grey BC	(G)	Chlorantine fast grey RLNNY	(J)
542	(D. A. S.)	Duranol red 2B paste	(B.D.C.)	Grasol pink 3B 1295	(G)
596	S-VII-206, C-176	Fast red	(B)	Roccelline	(P)
10 BB	(A)	Fast silk yellow G	(G)	Neutral yellow for silk NJ	(Kuhl.)
656	S-VII-1354, C-1212	Helindone red 3B paste	(M)	Ciba red 3BN soluble micro powder NY	(J)
680	S-VII-1345, C-listed	Hydron pink FF paste	(C)	Ciba brilliant pink R micro pdr.	(J)
703	S-VII-1234, C-1113	Indanthrene blue GCD paste	(B)	Cibanone blue GCD soluble micro powder NY	(J)
712	S-VII-1279, C-1173	Indanthrene blue green B paste.	(B)	Cibanone blue 3G soluble micro powder NY	(J)
17 BE	S-VII-1265, C-1104	Indanthrene brilliant violet RR paste	(IG)	Paradone brilliant violet 2R paste	(L.B.H.)
				Vat violet 2R paste 20%	(L.B.H.)
12 BB	(V)	Indanthrene brilliant violet 4R paste	(IG)	Cibanone violet 4RNY micro pdr.	(J)
717	(V)	Indanthrene brown GG paste	(B)	Cibanone brown GGY paste 10%	(J)
723	S-VII-1245, C-1096	Indanthrene golden orange G paste	(B)	Cibanone golden orange GK micro powder for dyeing	(J)
				Cibanone golden orange GKNY micro powder	(J)
14 BF	(V)	Indanthrene yellow 5GK paste.	(IG)	Paradone yellow 5GK double paste	(L.B.H.)
19 BQ	S-VII-748, C-645	Kiton fast yellow 3G	(J)	Kiton fast yellow 3G conc. spirit soluble	(J)
832	S-VII-777, C-735	Naphthalene green V	(M)	Acid naphthalene green J	(P)
835	S-VII-851, C —.	Naphtochrome green G	(J)	Chrome green GP	(J)
843	(A)	Neolan blue B	(J)	Neolan blue B new	(J)
860	S-VII-590, C-304	Nerol 4B	(A)	Cyanine fast black 4B extra.	(L.B.H.)
14 BR	(A)	Neutral brown RX	(G)	Supranol brown 5RO	(I.G.)
915	S-VII-910, C-793	Phosphine 3R	(A)	Phosphine R extra	(P)
933	S-VII-747, C-653	Pyrazol orange G	(S)	Direct chloramine orange J	(P)
956	S-VII-866, C-752	Rhodamine 6GDN	(B)	Rhodamine 6G extra cons. (Teikoku Senryo)	
18 BB	(D. A. S.)	Setacyl direct blue 2GS powder 798	(G)	Grasol blue 2GS-1294	(G)
14 BK	(D. A. S.)	Setacyl direct red GBN	(G)	Grasol red GBN-1299	(G)
17 BN	(D. A. S.)	Setacyl direct rubine B	(G)	Grasol rubine B-2138	(G)
1007	(A)	Supramine black BR	(By)	Supracide black NR	(Kuhl.)
1010	(A)	Supramine brown R	(By)	Supracide brown NR	(Kuhl.)
1013	(A)	Supramine red 3B	(By)	Supracide red N3B	(Kuhl.)
1014	(A)	Supramine red 2G	(By)	Supracide red N2J	(Kuhl.)
1017	(A)	Supramine yellow R	(By)	Supracide yellow NR	(Kuhl.)
1025	S-618, C-815,	Thioflavine TCN	(C)	Jaune methyl basique TCN ext.	(Kuhl.)
1046	S-VII-696, C-561	Trisulphon brown B	(S)	Direct chloramine brown FSR	(P)
20BN	(D. a.)	Trisulphon blue FO	(S)	Direct copper blue 2B	(N.V.F.)
1062	S-559, C-729.	Victoria blue B	(B)	Basic blue B conc.	(Taikoku Senryo)
1065	(B)	Victoria pure blue B	(B)	Brilliant victoria blue RB	(J)

Changes in Standard List

Celliton fast rubine 3B (IG) listed under standard 17BN; Ciba violet RN paste (J) listed under standard 687; Frobeno red G 1398 (G) listed under standard 1051; Intensive blue B (IG) listed under standard 581; Setacyl direct blue RS conc. 1362 (G) listed under standard 3BC; and satacyl direct scarlet G conc. 1359 (G) listed under standard 279 are removed from the list.

Fertilizer Materials

Dullness Still Enveloped Market—Practically No Trading Reported —Larger Cotton Crop Forecast of Principal Concern —Organics Stiffen Slightly

The fertilizer materials market passed through another very dull week. There was practically no trading done. Deliveries of materials contracted for earlier in the season constituted the only visible signs of activity. Sizable quantities of potash salts were now arriving at buyers' plants, and, the mineral ammoniates were also being shipped out in size.

The week's price movements were few and relatively unimportant. Packing house materials underwent a very slight stiffening in mid-week under the force of lighter offerings from the foreign markets, but the Department of Agriculture's cotton forecast issued Wednesday afternoon put a halt to any further accumulation of price strength. The forecast, which was based upon crop conditions as of September 1, was more than a half million bales greater than the August forecast, totaling 16,098,000 bales or a yield of 228.5 pounds per acre, the largest in history. The cotton situation, of course, has the principal attention of the trade now both with the view toward a large meal crop which would provide the fertilizer trade with an abundance of low priced organic ammonia, and, with the view toward the reduction in cotton acreage its most likely adverse affect upon fertilizer consumption. The latter ,of course, was of most concern.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Blood, dom., Chicago, 5c. per unit.
import, 5c. per unit.
Tankage, import, 5c. per unit-ton.

Reduced

Bone, raw, 4½ & 50, dom., Atlantic ports, $1 per ton.
import, $1 per ton.
meal, dom., Chicago, $2 per ton.
Calcium phosphate, dibasic, precip., import, 1c. per unit.
Fish meal, menhaden, Balto., $2 per ton.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of a normal of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
66.7	**66.7**	**66.4**	**62.9**

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Nitrate of Soda.—There was practically no change of conditions from those of a week ago. The market was seasonally quiet with the trade believed to have been fairly well booked up on its requirements for the season. Prices, of course, continued steady and unchanged.

Sulphate of Ammonia.—This commodity was also lacking in feature last week. The trade booked up earlier in the season under the price advantage of the 11-13 month contracts. The higher prices for the 6-10 months' contracts went into effect on the first of this month. Normal calls for deliveries against the long term contracts provided the only activity in the market.

Dried Blood.—At the moment of this writing there was no blood offering out of the New York market. The latest sale price was $3.40 per unit. Imported material was a little stronger at $3.45 per unit, c.i.f., an increase of 5c. over the preceding week's asking price. Chicago was also stronger last week at $3 per unit, compared with $2.95 per unit in the preceding week.

Fish Scrap.—The menhaden scrap production in the Chesapeake district was moderate last week because of a moderate catch. Re-sale prices, basis factory, continued at $3.50 and 10c. per unit-ton; the fishermen have not sold below $4 and 10c. per unit-ton. Menhaden meal has been offering cheaper in Baltimore with $54 per ton asked. This compared with $56 per ton a week ago. Japanese sardine meal was lacking in interest at $48 per ton for shipment, basis c.i.f.

Nitrogenous Material.—There was no change in the set-up of the market and very little buying interest has been shown. This commodity was coupled with other organics in a state of general dullness.

Tankage.—The imported article was stronger at $3.65 and 10c. per unit-ton asked, for shipment basis c.i.f. This was 5c. higher than the price of a week ago and little material was offered. The domestic markets here and in the mid-West were lacking in consumer attention and the prices were unchanged from a week ago.

Potashes

Deliveries were now being made in volume. These deliveries were applied against contracts booked earlier in the season when a discount of 12 percent was allowed. Reports from the West Coast, the Gulf and Atlantic ports indicated heavy receipts from the production points. There was no new business in the market and the sellers expected very little at the end of this month when the current discount offering of 5 percent expires. This discount is allowed on orders placed with specifications up to and including September 30 for delivery in approximately equal monthly quantities from October 1 to January 31.

Phosphates

The strength of the superphosphate market continued as the element of foremost importance in this group of agricultural materials. The bone products were a little softer last week with lower prices reported for precipitated dicalcium phosphate from abroad and cheaper prices named on domestic 4½ & 50 raw bone at Atlantic ports and also for material of similar test from abroad.

Bone Materials.—Precipitated dicalcium phosphate was offering at 74c. per unit, c.i.f. Atlantic ports. This was a reduction of 1c. per unit from the price asked previously. Raw 4½ & 50 bone material for import was offered at $30 per ton, a decline of $1 per ton from the preceding week's price; domestic material of the same test for delivery at Atlantic ports was quoted at $33 per ton, also off $1 per ton.

Phosphate Rock.—Tunisian rock exports for the first half of this year totaled 976,000 metric tons against 816,000 tons in the same period last year, according to the Department of Commerce; production totaled 777,500 metric tons against 782,000 tons. All major buyers except Spain took increased quantities over the first half of last year.

Sulphur and Pyrites

The sulphur market has not shown any change in position. Deliveries against contracts had a good volume and the consumption at acid manufacturing points was quite heavy. For the past few weeks, sulphur shippers have been forwarding good tonnages to those sections of the country that will be closed to water traffic during the Winter months. Prices, of course, continued unchanged.

Markets at Other Centers

Atlanta, Sept. 8.—Interest in fertilizer materials was lacking. No advance in superphosphate prices is reported and very little market interest will develop before Spring requirements begin to move.

The yield of cotton in the Southeast is not turning out as well as had been predicted due to rust and weevils.

Quotations of this market are as follows:—

SUPERPHOSPHATE.—$9.60 ton, interior producing points.

NITRATE OF SODA.—$27 ton, f.o.b. ports.

SULPHATE OF AMMONIA.—$28.50 ton, Southern port basis.

NITROGENOUS.—Foreign, port basis, $3.15 to $3.20 per unit.

BLOOD.—Foreign, port basis, $3.40 per unit; Chicago, $2.95 to $3.

TANKAGE.—$2.85 to $2.95 and 10c. per unit, Chicago.

BONE.—3 and 50 at $24 to $25 per ton, Chicago; 4½ and 50 at $29 to $30, Chicago.

Baltimore, Sept. 9.—Because of uncertain factors the market for crude fertilizer materials is not at all active, and potential buyers pursue a waiting policy. Prices did not show weakness. The prevailing quotations are about as follows:—

FISH SCRAP.—The activities of the menhaden fishing fleet down the lower Chesapeake Bay and outside of the Virginia capes have been productive of moderate catches in the last week. Resales within the week made at approximately $3.50 and 10c. per unit-ton, basis factory. Menhaden meal was held at $54 per ton, with Japanese sardine meal at $47 per ton and West Coast stocks at $51, both c.i.f. Atlantic ports.

TANKAGE.—$3.25 and 10c. to $3.35 and 10c. per unit-ton, c.a.f. basis Baltimore.

BLOOD.—Sellers asked $3.25 to $3.35 per unit.

SUPERPHOSPHATE.—Nominal prices were $8.50 per ton for run of pile and $9 per ton for 16 percent guaranteed.

GARBAGE TANKAGE.—Nominal figures were around $12 per ton basis Baltimore.

BONE.—Raw 4½ and 50 stocks $35 per ton for domestic, with foreign offerings at $30 per ton for Fall shipment; steamed 3 and 50 $26 to $27 per ton, while 1 and 60 bone ranged around $24 per ton.

Chicago, Sept. 9.—Fertilizer materials have been in position of some conflicting indications. Buying has been of restrained and conservative nature here recently. No buyer seems to wish to risk being caught off guard by too extensive purchases at this time. Limited lots are involved in most of the dealings currently. Blood has been offered in fair sized volume. Little buying ahead is reported. Tanking is in moderate call at this time. Bone materials have been bought fairly well, with some declines and some advances of moderate range.

BLOOD.—Principal grade, $2.95 to $3 per unit of ammonia.

TANKAGE.—High grade, $2.90 to $2.95 and 10c.; low grade, $20 to $22; liquid stick, $2.50 to $2.70; hoof meal, $3.45 to $3.50.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $20 to $21; 3 and 50 percent, $22 to $24; 4½ and 50 percent, $29 to $30; grinding hoofs, pigs' toes and waste horn materials, $24 to $26; junk and hotel kitchen bones, $20 to $22; cattle jaws, skulls and knuckles, $34 to $35; pork cracklings, soft pressed, $45 to $50; beef cracklings, soft pressed, $35 to $40; hard pressed cracklings, per unit of protein, 60c. to 65c.

San Francisco, Sept. 8.—There was no feature in the fertilizer market, buying having quieted down and the situation in general seems to be marking time insofar as new business is concerned. Blood and tankage have eased a bit, mostly on the basis of buyers being out of the market and deliveries on previously contracted chemicals are going along in routine fashion, with more emphasis lately on arrivals of potash materials from Europe. There is nothing new apparently in the sulphate of ammonia situation. As regards fish meals, the California product was dull last week and sellers of this commodity were somewhat hesitant about pushing the market owing to the scarcity of new season production, which is very slow.

Ruling prices were:—

NITRATE OF SODA.—100-pound bags, $29 per ton; 200-pound bags, $28.30 per ton. Bulk lots $27 per ton, all ex vessel San Francisco/Oakland.

SULPHATE OF AMMONIA.—Quoted at $32.50 per ton, f.o.b. cars in 100-pound bags, San Francisco and Los Angeles harbor and $33.50 per ton, delivered inland California points, excepting Imperial Valley and San Diego county. Latter points, $34.50 per ton. Prices in effect to end of June, 1938. These offerings are for the Canadian product, with California production reported sold out for the season.

AMMONIA PHOSPHATE.—Quoted at $41 per ton, single bags; $41.50 per ton, paper-lined bags, f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P.A. Inland points, delivered, $1 per ton extra.

SUPERPHOSPHATE.—Domestic quoted at 75c. to 80c. per unit in bulk, f.o.b. San Francisco and Los Angeles harbor. Bags, 85c. to 90c. per unit. Foreign material, nominally quoted at 90c. per unit in bags, c.i.f. Pacific Coast ports.

FISH MEAL.—California sardine meal for delivery from production out of present season, quoted on the basis of $37 per ton, f.o.b. cars, San Francisco/Monterey.

TANKAGE.—Local packing house tankage, ground, fertilizer grade, quoted at from $3.10 to $3.15 and 10c. per unit-ton, nominally, f.o.b. cars, Los Angeles. Dry rendered, ground, quoted at 75c. per unit of protein, f.o.b. cars, San Francisco. Unground, dry rendered, quoted at 62½c.

BONE MEAL.—Domestic and imported steamed bone meal, quoted in range, according to seller and quality, at $25 to $32 per ton, delivered Pacific Coast ports.

BLOOD MEAL.—Domestic quoted nominally at $3.20 per unit, f.o.b. cars, Los Angeles.

Fertilizer Operations Handicapped by Labor

BALTIMORE, Sept. 8, 1937.

The fertilizer industry in Baltimore is being more than a little inconvenienced by the dissension between the local affiliate of the American Federation of Labor and the group allied with the Committee of Industrial Organization. Each of these unions claims to be the body entitled to carry on collective bargaining negotiations in the strenuous effort to organize the workers of the industry as a whole.

C. I. O. representatives have met a positive refusal from fertilizer manufacturers here to deal with them in the freight-handlers' dispute. As a result, work of loading and unloading vessels, moving barges, and transferring supplies to or from barges has been much interfered with and is almost at a standstill. Only one manufacturer has acceded to the demands of the union, which occasioned not a little surprise for the reason that this corporation is the largest in the Baltimore field. Meanwhile work in factories is greatly diminished, and whatever can be put off is being postponed.

The union freight handlers are asking rates of pay which the manufacturers of fertilizers say the state of the industry will not permit them to grant, and factories are either idle or running at much reduced capacity. This situation is reported to exist to an extent in all seaboard fertilizer centers, manufacturers having been given an ultimatum by the International Longshoremen's Association that will tie up all shipping.

Labor organizing is in progress in other divisions of the fertilizer industry, and operations have been suspended as a result in some parts of the Tennessee phosphate field.

George A. Whiting, president of the Standard Wholesale Phosphate & Acid Works, Baltimore, has just added another cup to his long list of yachting trophies. His cutter White Cloud in races September 4 captured the third trophy of the Chesapeake Bay Cruising Club.

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Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

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Correspondence in regard to any of the following foreign trade opportunities should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, or to any district or cooperative branch office of the bureau, and not to this publication. When writing give the number of the item:—

Benzol Naphthalene, Toluol, Lithopone, Zinc Oxide, Rosin, Cellulose, Chloride of Potash, Nitrate of Potash:—Agency, Buenos Aires, Argentina (3996).

Bicarbonate of Ammonia and Bicarbonate of Soda:—Agency, Manila, P. I. (4018).

Borax:—Agricultural Chemicals, and Refined Sulphur:—Agency, Oslo, Norway (3994).

Candelilla Wax, Carnauba Wax, and Other Waxes; Synthetic Resins, Gum Arabic, and Gum Tragacanth:—Purchase, Goteborg, Sweden (4000).

Casein Glue Powder:—Purchase, Managua, Nicaragua (4044).

Codliver Oil Residue, and Adhesive Tape:—Agency, Buenos Aires, Argentina (3995).

Cosmetics, Toilet Preparations, Pharmaceuticals, and Medicinals:—Agency, Lahore, India (3998).

Glucose, and Cornstarch:—Agency, Manila, P. I. (4018).

Glucose, Fruit Essences, Fats, Oils and Tallows:—Purchase, Goteborg, Sweden (4000).

Industrial Chemicals and Perfumery:—Agency, Cairo, Egypt (3991).

Medicinals:—Agency, Saltillo, Mexico (3999).

Oils, Lubricating and Mineral:—Purchase, Calcutta, India (4004).

Paints, Varnishes, and Enamels:—Agency, Lahore, India (3998).

Paraffin Wax:—Agency, Manila, P. I. (4018).

Pectin, Citric Acid, Tartaric Acid Glycerine, Agar-Agar, Quilly Bark, and Petroleum Jelly:—Purchase, Goteborg, Sweden (4000).

Pennsylvania Oil, 100 Percent Pure:—Purchase or agency, Brussels, Belgium (4054).

Perfumery and Toilet Preparations:—Purchase, Calcutta, India (4004).

Rosin, Copal, and Other Varnish Gum; Shellac, Turpentine, and Lead Oxide:—Purchase, Goteborg, Sweden (4000).

Soybean and Linseed Oil Meals:—Exclusive agency, Bridgetown, Barbados (4008).

Soaps, Toilet:—Purchase, Goteborg, Sweden (4000).

Tar, Tar Oil, and Crude and Refined Turpentine:—Purchase, London, England (3898).

Tung Oil:—Agency, Buenos Aires, Argentina (3996).

Ultramarine Blue:—Agency, Manila, P. I. (4018).

Palestine Potash Profits Up

Palestine Potash, Ltd., producer of potash salts and bromine from the saline brines of the Dead Sea, reports that its gross profits increased from 22,416 Palestine pounds in 1935 to 59,267 Palestine pounds in 1936, according to information received by the Department of Commerce from the consul at Jerusalem. The net profit for 1936 was 26,881 Palestine pounds compared with a net loss of 10,451 Palestine pounds in 1935. Income was higher in 1936 as a result of increased production and the advancing of prices in the principal markets. Approximately 100,000 tons of crude potash salts (carnallite) collected in the pans during 1936 will be used for production in 1937.

Virginia-Carolina Net Improved

The Virginia-Carolina Chemical Company, Richmond, Va., reports for the year ended June 30, net profit of $1,254,039, equal to $5.87 a share on 6 percent participating preferred stock, compared with $93,754, or 44 cents a share, in the preceding fiscal year. Current assets are given as $10,384,969, and current liabilities $1,225,742, compared with $9,091,743 and $907,871 respectively for the preceding year.

Chemistry Fellowships Awarded by Columbia

Columbia University has awarded fellowships for graduate study in chemistry for the academic year 1937-38 to:—Edward James Mills, jr., New Rochelle, N. Y.; Charles Arthur Fetscher, Rockaway Beach, L. I., and Vincenzo Salvatore de Marchi, this city, according to Dr. Frank D. Fackenthal, secretary of the university.

Mills, who is twenty-five years old, and Fetscher, twenty-four, have been appointed Squibb research fellows and will do research in the field of organic chemistry on grants from E. R. Squibb & Sons. DeMarchi, thirty-two, is the recipient of a special fellowship provided by several silver producing companies. His task as fellow is to find and study corrosion resistant silver alloys.

Pharmaceutical Declarations Are Amplified by Argentina

The Argentine National Department of Hygiene has amplified the manner of declaring the qualitative and quantitative formula in applications for registration of imported pharmaceutical specialties.

The formula must be declared qualitatively and quantitatively in Spanish and the nature of each one of the components must be specified in one of the following ways: (1) Citing the pharmacopoeia which describes it; (2) expressing its complete chemical formula (without omitting crystallization water, if necessary); or (3) citing the technical name of the components when it is not possible to comply with nos. 1 or 2 above; in this last case a sample of the ingredients must be submitted.

The formula must be expressed in terms of hundredths, the solid and gaseous ingredients being shown in grams, and the liquid ingredients in grams or cubic centimeters, using as a basis a unit of 100 grams, if solid, or 100 cubic centimeters, if liquid. The quantity of each component declared must refer to the drug prescribed by the pharmacopoeia mentioned, or to the declared chemical formula, or to the sample of the component presented, according to the form in which the formula is declared, as provided for above.

In the case of specialties (ampoules, pills, pastilles, ovules, etc.), the content of each indivisible portion must be declared in the same units in which its composition has been declared, i.e., in grams if the composition has been declared in terms of so many grams per 100-gram unit, or in cubic centimeters if the composition has been stated in terms of so many cubic centimeters per 100 cubic centimeter unit.

Adhesive Products Company, Seattle, Washington, has just completed an addition to its factory, giving it 10,000 square feet more space. Other improvements consist of a new boiler and additional machinery. The extension, according to James F. Hodges, president, was made necessary by greatly increased business and also because the company is entering upon a new branch of the adhesive business.

Shipping Information

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Imports at U.S. Ports

New York Imports

ACID, ARSENOUS—125 bbls, Estrella, Marseilles
COTTONSEED OIL—108 bbls, American Shipper, Manchester
CRESYLIC—48 dms, Monsanto Chem Co, American Shipper, Liverpool
NAPHTHENIC—137 dms, 60,124 lbs, Shell Union Oil Corp, Exminster, Constanza
24 dms, 13,723 lbs, Socony Vacuum Oil Co, Scanmail, Gdynia
NITRIC—10 dms, 11,759 lbs, Advance Solvents & Chem Co, Scanmail, Copenhagen
SOYBEAN OIL—249 dms, 114,272 lbs, Deutschland, Hamburg
37,183 kilos, Black Osprey, Rotterdam
SPERM—50 bbls, Beemsterdijk, Rotterdam
STEARIC—275 bgs, M J Corbett & Co, Beemsterdijk, Rotterdam
22 bgs, Binney & Smith Co, Beemsterdijk, Rotterdam
ALCOHOLIC COMPOUND—51 dms, Givaudan-Delawanna, Rosario, San Juan
ALLSPICE, RED—200 bgs, Estrella, Marseilles
ALOE—83 cs, R Desvernine, Astrea, Curacao
300 cs, Carabobo, Aruba
25 cs, Selma Mercantile Corp, Carabobo, Curacao
ALUMINUM LEAF—87 cs, Globe Shipping Co, Deutschland, Hamburg
93 cs, F P Gaskell, Gerolstein, Antwerp
POWDER—11 dms, G Benda, Deutschland, Hamburg
13 cs, Heemsoth Kerner Corp, Deutschland, Hamburg
AMMONIAC SAL—15 cks, Gloucester City, Cardiff
ANISE—50 bgs, Knickerbocker Mills Co, Trondgate, Marseilles
ANNATTO SEED—200 bgs, Western World, Santos
ANTIMONY SULPHIDE—5 cks, American Trader, London
ARSENIC—250 cyls, Estrella, Sete
77 bbls, American Smelting & Refining Co, Cauto, Tampico
WHITE—77 bbls, 54,390 lbs, New York, Hamburg
ARTIST'S MATERIAL — 5 cs, Gallagher & Ascher, Statendam, Rotterdam
2 cs, Favor Ruhl & Co, American Trader, London
3 cs, Winsor & Newton, American Trader, London
ASBESTOS—7,501 bgs, Raw Asbestos Distr, Ltd, City of New York, Beira
1,500 bgs, Allen Wack & Shepherd, City of New York, Beira
ASPHALT—340 bgs, A V Berner & Co, Yucatan, Vera Cruz
BARYTES — 3,555,000 kilos, Dewey & Almy Chem Co, Beemsterdijk, Rotterdam
3 cars, F E Schundler Co, Seatrain New York, Havana
BONE, PHOSPHATE, PRECIP — 3,360 bgs, 446,476 lbs, H J Baker & Bros, Black Falcon, Antwerp
BONES—2 cars, Geek Trading Corp, Seatrain New York, Havana
BRISTLES—4 cs, M Broverman & Son, Queen Mary, Southampton
5 cs, Bank of London South America, American Trader, London
10 cs, American Trader, London
11 cs, 1 pkg, Chesnut Cooper & Co, American Trader, London
10 cs, Philadelphia National Bank, American Trader, London
BRONZE POWDER—7 cs, Geo Sheldon & Co, Deutschland, Hamburg
2 cs, Heemsoth, Kerner Corp, Deutschland, Hamburg
5 dms, 2 cs, B F Drakenfeld & Co, Bremen, Bremen
2 cs, 7 dms, J E Mandlik, New York, Hamburg
CADMIUM—20 cs, Metal Traders, Inc, Bergensfjord, Bergen
CALCIUM, METALLIC—10 cs, Charles Hardy, Marseilles
NITRATE — 3,500 bgs, Synthetic Nitrogen Product Corp, Bergensfjord, Heroen
CANARY SEED—500 bgs, A G Dunn, Trondgate, Casablanca
CARAWAY SEED—100 bgs, 11,000 lbs, R L Friedler, Beemsterdijk, Rotterdam
200 bgs, 22,000 lbs, M Witsenburg, Edam, Rotterdam
100 bgs, 11,000 lbs, Importers Comm Co, Edam, Rotterdam
150 bgs, 16,500 lbs, Levy & Levis Co, Black Falcon, Rotterdam
100 bgs, 11,000 lbs, C M Van Sillevoldt, Statendam, Rotterdam
100 bgs, 11,000 lbs, R L Friedler, Statendam, Rotterdam
CARDAMOM—7 cs, American Trader, London
CASCARILLA BARK—4 bgs, W M Allison & Co, Munargo, Nassau
CASSIA—94 pkgs, Knickerbocker Mills Co, City of Singapore, Padang
CASTOR BEANS—6,622 bgs, Archer, Daniels, Midland Co, Western World, Buenos Aires
CELERY SEED—276 bgs, President Adams, Bombay
50 bgs, O Gerdau Co, President Adams, Marseilles
CHALK—188 bgs, 31,088 lbs, L A Salomon & Bros, New York, Hamburg
20 bgs, 2,200 lbs, T H Deutz, Black Falcon, Antwerp
PRECIPITATED — 525 bgs, 50 bbls, H J Baker & Bros, Gloucester City, Cardiff
CHAMOIS—1 cs, J Einstein, Manhattan, Havre
CHARCOAL, ANIMAL—45 cks, 5,814 lbs, Robinson-Wagner Co, Black Falcon, Antwerp
CHEMICALS—17 cs, E Fougera & Co, Champlain, Havre
1 ck, Champlain, Havre
1,016 bgs, Advance Solvents & Chemical Co, Deutschland, Hamburg
847 bgs, 1 cs, Sherka Chemical Co, Deutschland, Hamburg
6 cs, Schimmel & Co, Deutschland, Hamburg
1 cs, P C Kuyper & Co, Deutschland, Hamburg
65 cks, Jungmann & Co, Deutschland, Hamburg
48 cs, 4,809 lbs, Innis, Speiden & Co, Deutschland, Hamburg
706 bgs, 664 cs, 60 cks, Deutschland, Hamburg
80 crbys, Advance Solvents & Chemical Co, Deutschland, Hamburg
8 bbls, 48 dms, 1 cs, Deutschland, Hamburg
3 cs, W L Newberry, Manhattan, Havre
1 cs, J J Gavin & Co, Queen Mary, Southampton
40 cks, Advance Solvents & Chemical Co, Bergensfjord, Heroen
6 bbls, Bergensfjord, Heroen
CHEMICALS—11 cs, Bremen, Bremen
5 cks, 3 cs, Advance Solvents & Chemical Co, Beemsterdijk, Rotterdam
14 cks, American Cyanamid & Chemical Co, Beemsterdijk, Rotterdam
38 cks, 25 dms, Innis, Speiden & Co, Beemsterdijk, Rotterdam
5 cks, G Martin, Beemsterdijk, Rotterdam
40 kegs, R J Prentiss & Co, Beemsterdijk, Rotterdam
1 cs, Wm Neuberg, Beemsterdijk, Rotterdam
130 dms, Advance Solvents & Chemical Co, Black Osprey, Rotterdam
40 cks, American Cyanamid & Chemical Co, Black Osprey, Rotterdam
250 bgs, 5 cs, New York, Hamburg
19 bbls, National City Bank, New York, Hamburg
120 bgs, 10 cks, Schofield, Donald Co, Transylvania, Glasgow
28 dms, 83 cks, Advance Solvents & Chem Co, Edam, Rotterdam
20 cks, F Rudloff, Edam, Rotterdam
1 ck, General Aniline Works, Edam, Rotterdam
20 pkgs, American Bluefriesveen, Edam, Rotterdam
27 dms, E M Sergeant Pulp & Chemical Co, Black Falcon, Antwerp
5 cs, H H Rosenthal Co, Black Falcon, Antwerp
130 dms, Advance Solvents & Chemical Co, Black Falcon, Antwerp
13 cs, 26 dms, Michel Export Co, Statendam, Rotterdam
500 bgs, Robinson, Wagner Co, Statendam, Rotterdam
93 cks, International Selling Corp, Trondgate, Marseilles
4 cs, Anglo French Lab, Paris, Havre
1 cs, Gane & Ingram, Paris, Havre
2 cs, Hoffman La Roche, Paris, Havre
200 cks, McKesson & Robbins, President Adams, Genoa
PHOTO — 4 cs, American Express Co, Deutschland, Hamburg
CHINA CLAY—160 bgs, English China Clay Sales Corp, Scythia, Liverpool
4 kgs, P H Petry & Co, American Trader, London
50 bbls, E Fougera & Co, American Trader, London
CHROME ALUM—2 cs, J J Gavin & Co, Queen Mary, Southampton
ORE—750 tons, E J Lavino & Co, City of New York, Beira
CINCHONA BARK—200 bls, New York Quinine & Chem Works, Statendam, Rotterdam
PRODUCTS—6 cs, R W Greeff & Co, Beemsterdijk, Rotterdam
5 cs, R W Greeff & Co, Edam, Rotterdam
8 cs, R W Greeff & Co, Statendam, Rotterdam
CLAY—300 bgs, 66,000 lbs, L A Salomon & Bros, Deutschland, Hamburg
320 cks, A Hurst & Co, Beemsterdijk, Rotterdam
150 bgs, L A Salomon & Bros, New York, Hamburg
COALTAR DERIVATIVES—50 cks, General Aniline Works, Beemsterdijk, Rotterdam
1 ck, General Aniline Works, Edam, Rotterdam
35 dms, General Aniline Works, Statendam, Rotterdam
INTERMEDIATES—2 pkgs, Sandoz, Chem Works, Deutschland, Hamburg
4 dms, 1 ck, General Dyestuff Corp, Bremen, Bremen
10 dms, 60 cks, General Aniline Works, Beemsterdijk, Rotterdam
28 dms, 28 cks, General Dyestuff Corp, Beemsterdijk, Rotterdam
39 cks, 1 dm, General Dyestuff Corp, Statendam, Rotterdam
COBALT METAL—90 cks, 39,347 lbs, Central Trading Corp, Black Falcon, Antwerp
COCOA BEANS—2,000 bgs, National City Bank, Gudmundra, Ilheos
25,000 bgs, Gudmundra, Ilheos
500 bgs, Gudmundra, Bahia
45 bgs, Wessel, Duval & Co, Astrea, Porto Cabello
189 bgs, Struller & Wood, Astrea, Curacao
1,434 bgs, Fruit Dispatch Co, Quirigua, Havana
282 bgs, Schutte & Focke, Coamo, Trujillo
400 bgs, Machado & Co, Tachira, La Guayra
50 bgs, Curacao Trading Co, Ponce, Puerto Plata
250 bgs, Machado & Co, Ponce, Puerto Plata
126 bgs, Tropic Food, Calamares, Cristobal
250 bgs, Nieschlag & Co, Western World, Port Spain
COCONUTS — 2,000 bgs, 200,000 lbs, General Foods Corp, Musa, Porto Castilla
236 bgs, 23,600 lbs, Musa, Porto Castilla
1,100 bgs, 110,000 lbs, Standard Fruit S S Co, Amapala, La Ceiba
12 bgs, 1,200 lbs, Universal Import & Export Co, Pastores, Kingston
288 bgs, 2,800 lbs, G W Cole & Co, Pastores, Kingston
490 bgs, 49,000 lbs, J A Manton, Pastores, Kingston
2,377 bgs, 237,700 lbs, General Foods Corp, Pastores, Kingston
61 bgs, 6,100 lbs, Simons & French Co, Coamo, San Juan
26 bgs, 2,600 lbs, West Indies Prod Co, Coamo, San Juan
140 bgs, 14,000 lbs, Coamo, San Juan
1,200 bgs, 120,000 lbs, I L Toledano Corp, Buenaventura, Cristobal
61 bgs, J Simon & Co, Rosario, Mayaguez
60 bgs, General Foods, Rosario, San Juan
67 bgs, Universal Import & Export Co, Rosario, San Juan
34 bgs, I L Toledano Corp, Rosario, San Juan
COD OIL STEARIN—55 cks, Bergensfjord, Kristiansund
CODLIVER OIL STEARIN—250 bbls, McKesson & Robbins, Bergensfjord, Bergen
COLORS—2 cks, Scythia, Liverpool
10 cks, Lowenstein & Co, Paris, Havre
10 cks, Kentler Bros, Gerolstein, Antwerp
ARTISTS—4 cs, M Grumbacher, Beemsterdijk, Rotterdam
DRY—2 bbls, 1 cs, M Grumbacher, Beemsterdijk, Rotterdam
EARTH—50 cks, Fezandie & Sperrie, Beemsterdijk, Rotterdam
PIGMENT—5 jugs, General Dyestuff Corp, Beemsterdijk, Rotterdam
7 jugs, General Dyestuff Corp, Statendam, Rotterdam
PRINTING—10 cs, J E Mandlik, New York, Hamburg
COPAIBA BALSAM—10 cs, C E Griffin Co, Buenaventura, Cristobal
CORIANDER SEED—600 bgs, Trondgate, Casablanca
CORK—54 bls, L Mundet & Sons, Utsire, Lisbon
VIRGIN—4,385 bls, Exminster, Bona
264 bls, L Mundet & Sons, Utsire, Lisbon
WASTE—400 bls, Estrella, Lisbon
1,010 bls, Manufacturers Trust Co, Trondgate, Lisbon
1,333 bls, Utsire, Lisbon
9,121 bls, L Mundet & Sons, Utsire, Lisbon
WOOD—345 bls, Wicander & Co, Estrella, Lisbon
806 bls, Estrella, Lisbon
160 bls, Johnson-Turner Trading Co, Exminster, Bona
410 bls, Wicander & Co, Exminster, Bona
90 bls, Seaboard Cork Co, Utsire, Lisbon
175 bls, Pablo Calvet & Co, Utsire, Lisbon
405 bls, L Mundet & Sons, Utsire, Lisbon
1,567 bls, Utsire, Lisbon
CRESOL—5 dms, Monsanto Chem Co, American Shipper, Liverpool
CUMIN SEED—94 bgs, 16,500 lbs, Manhattan, Hamburg
202 bgs, Trondgate, Marseilles
CUTCH—1,000 bgs, Sig Saxe, Glaucus, Singapore
CUTTLEFISH BONES—1,016 cs, Estrella, Marseilles
DEXTRIN—40 bgs, Morningstar-Nicol, Edam, Rotterdam
DIAZO—3 bbls, C Brunig Co, Edam, Rotterdam
DRUGS—3 bls, Schieffelin & Co, Champlain, Havre
DUTCH METAL—1 cs, B F Drakenfeld & Co, Bremen, Bremen
DYES—1 ck, American Express Co, Deutschland, Hamburg
ALIZARIN—4 cks, 7 cns, General Dyestuff Corp, Bremen, Bremen
56 cks, General Dyestuff Corp, Beemsterdijk, Rotterdam
6 cks, 5 dms, General Dyestuff Corp, Statendam, Rotterdam
ANILIN—17 pkgs, Geigy Co, Champlain, Havre
25 dms, Sandoz Chem Works, Deutschland, Hamburg
24 dms, Sandoz Chem Works, Bremen, Bremen
16 cks, General Dyestuff Corp, Bremen, Bremen
1 cs, 246 cks, 19 dms, General Dyestuff Corp, Beemsterdijk, Rotterdam
1 cs, 1 pkg, General Dyestuff Corp, New York, Hamburg
141 cks, 56 dms, General Dyestuff Corp, Statendam, Rotterdam
133 cks, Ciba Co, Paris, Havre
16 cks, Geigy Co, Paris, Havre
EGG, DESIC—2,681 cs, International Export Co, American Trader, London
ELDER FLOWER, WATER—50 crbys, Dodge & Olcott Co, President Adams, Marseilles
EMERY POWDER—9 cks, Frederick Gumm Chem Co, American Trader, London
ERGOT—23 dms, Estrella, Lisbon
EUCALYPTUS LEAVES—78 bls, J L Hopkins & Co, Estrella, Seville
50 bls, Peek & Velsor, Estrella, Seville
FERTILIZER—2,000 bgs, 220,000 lbs, Ore & Chemical Corp, New York, Hamburg
LIQUID—24 dms, Blaine Euring, American Trader, London
FILTER COMPOUND—75 bls, Mayer Bros, Deutschland, Hamburg
PAPER—1 cs, Deutschland, Hamburg
63 pkgs, H Reeve Angel & Co, Queen Mary, Southampton
14 cs, H Reeve Angel & Co, American Trader, London
FLAXSEED—6,732 tons, 269,280 bus, Archer, Daniels, Midland Co, Elg, Buenos Aires
FLEASEED—75 bgs, Estrella, Marseilles
91 bgs, President Adams, Bombay
FLUORSPAR—900 tons, Estrella, St Raphael
FULLER'S EARTH—800 bgs, L A Salomon & Bros, Gloucester City, Cardiff
GAMBIER—216 bgs, Chase National Bank, Raby Castle, Singapore
425 bgs, Glaucus, Penang
GELATIN—20 bgs, F W Dunn Co, American Trader, London
100 bgs, Paris, Havre
128 cks, T M Duche & Sons, Gerolstein, Antwerp
200 bgs, Gerolstein, Antwerp
GINGER ROOT—100 bgs, Murray & Nickells Mfg Co, Calamares, Kingston
100 bgs, Barclay Bank, Calamares, Kingston
GLASS, WINDOW—1,153 cs, Vitrea & Co, Manhattan, Hamburg
8 cs, Semon, Bache & Co, Manhattan, Hamburg
20 cs, S G Cole, Black Falcon, Antwerp
2 cs, Semon, Bache & Co, Black Falcon, Antwerp
4 cs, J H Faunce, Black Falcon, Antwerp
GLUE—100 bgs, Champlain, Havre
10 cks, General Aniline Works, Statendam, Rotterdam
BONE—200 bgs, Deutschland, Hamburg
300 bgs, Transatlantic Animal By-Product Co, Statendam, Rotterdam
POWDERED—100 bgs, 2 cs, Rex & Reynolds, Trondgate, Marseilles
25 cks, Rex & Reynolds, President Adams, Marseilles
SHEET—50 bls, Rex & Reynolds, President Adams, Marseilles
GLYCERIN—59 dms, Estrella, Marseilles
1 car, Procter & Gamble Co, Seatrain New York, Havana
GRAPHITE — 331 bgs, Bank of Manhattan, President Adams, Colombo
250 bgs, Asbury Graphite Mills, President Adams, Colombo
500 bgs, C E Pettinos, President Adams, Colombo
GREASE, WOOL — 25 dms, American Shipper, Manchester
100 dms, Scythia, Liverpool
4 cks, Burroughs, Wellcome & Co, American Trader, London
GUM—10 cs, R W Greeff & Co, Statendam, Rotterdam
BENZOIN—10 cs, J F Frank, City of Singapore, Sibolga
COPAL — 70 bgs, Stroock & Wittenberg, Glaucus, Singapore
70 bgs, Stroock & Wittenberg, President Adams, Singapore
DAMMAR—100 cs, Chase National Bank, City of Singapore, Batavia
100 bgs, Manufacturers Trust Co, City of Singapore, Batavia
100 cs, American Cyanamid & Chem Co, Glaucus, Batavia
50 cs, 50 bgs, Stroock & Wittenberg, Glaucus, Batavia
490 bgs, O G Innis Corp, Glaucus, Singapore
384 bgs, 12 cs, S Winterbourne & Co, President Adams, Singapore
210 bgs, President Adams, Singapore
GAMBOGE—3 cs, President Adams, Singapore
GHATTI—100 bgs, President Adams, Bombay
GUM, KARAYA—65 bgs, Thurston & Braidich, President Adams, Bombay
70 bgs, Frank Vliet Co, President Adams, Bombay
266 bgs, National Carloading Co, President Adams, Bombay
TRAGACANTH—4 cs, S B Penick & Co, American Trader, London
28 cs, 16 bgs, E Meer & Co, President Adams, Bushire
51 bgs, 7 cs, Naivi, Moonco & Co, President Adams, Baghdad
GYPSUM—5,700 tons, U S Gypsum Co, Gypsum Empress, Windsor
6,300 tons, U S Gypsum Co, Gypsum Prince, Windsor
2,070 tons, National Gypsum Co, Keret, Cheticamp
HENNA LEAVES—22 bls, President Adams, Port Said
HERBS, MEDICINAL—93 bls, R J Prentiss & Co, Deutschland, Hamburg
60 bls, 13,519 lbs, Deutschland, Hamburg
35 bls, Gerolstein, Antwerp
IPECAC ROOT—6 bgs, Quirigua, Port Limon
IRISH MOSS—50 bls, Innis, Speiden & Co, Champlain, Havre
50 bls, C H Reisig, Champlain, Havre
100 bls, S B Penick & Co, Champlain, Havre
14 bls, Champlain, Havre
100 bls, Innis, Speiden & Co, Paris, Havre
50 bls, Innis, Speiden & Co, Paris, Havre
15 bls, Paris, Havre
IRON ORE — 15 dms, Reichard-Coulston, American Shipper, Liverpool
OXIDE—15 cks, Reichard-Coulston, Beemsterdijk, Rotterdam
55 cks, Robinson-Wagner Co, Beemsterdijk, Rotterdam
112 cks, Robinson-Wagner, Black Osprey, Rotterdam
100 cks, Reichard-Coulston, New York, Hamburg
50 bbls, G Z Collins & Co, Gloucester City, Cardiff
47 bgs, Reichard-Coulston, Gloucester City, Cardiff
30 cks, J A McNulty, American Shipper, Manchester
15 cks, American Shipper, Liverpool
5 cks, 7 kgs, J H Rhodes & Co, Scythia, Liverpool
ISINGLASS—10 cs, C H Reisig, American Trader, London
JALAP ROOT—18 bgs, Yucatan, Vera Cruz
KAMALA—9 bgs, Peek & Velsor, President Adams, Bombay
130 bgs, President Adams, Bombay
KOLA NUTS—50 bgs, D Steengrafe, Pastores, Kingston
42 bgs, D Steengrafe, Calamares, Kingston
LICORICE PASTE—20 cs, Estrella, Marseilles
LITHOPONE—100 cks, Benj Moore & Co, Statendam, Rotterdam
MACE—32 cs, Knickerbocker Mills Co, President Adams, Singapore
MAGNESIA, CALCINED — 25 cs, Schofield-Donald Co, American Shipper, Liverpool
CARBONATE—75 cs, Schofield-Donald Co, American Shipper, Liverpool
MANGANESE ORE—8 bgs, Parsons Hardware Co, President Adams, Manila
MANGROVE BARK EXTRACT—1,400 bgs, Glaucus, Singapore
2,228 bgs, Philippine Cutch Corp, President Adams, Zamboanga
MARJORAM LEAVES—66 bgs, Astrea, Barahona
MATE—10 crts, 2 bls, J Victori & Co, Western World, Buenos Aires
MEDICINAL PREP'S—14 cs, Burroughs, Wellcome & Co, American Trader, London
50 cs, Statendam, Rotterdam
METHYLPHENOLS—2 dms, American Trader, London
METHYLTAURIN—58 dms, General Aniline Works, Statendam, Rotterdam
MICA—5 cs, American Trader, London
33 cs, Western World, Rio de Janeiro
BLOCK—284 cs, National City Bank, American Trader, London
RESIDUE—11 cs, Western World, Rio de Janeiro
MOLASSES—1 car, Boston Molasses Co, Seatrain New York, Havana
6,318 tons, Standard Brands, Athelstane, Braila
512 tons, Standard Brands, Athelstane, Sulina Roads
MUSTARD SEED—50 bgs, Knickerbocker Mills Co, Manhattan, Hamburg
115 bgs, B H Old & Co, New York, Hamburg
177 bgs, B H Old & Co, Scanmail, Copenhagen
NAPHTHALENE—922 bgs, 220,286 lbs, Black Diamond S S Corp, Black Falcon, Antwerp
762 bgs, F B Bertrand, Gloucester, Cardiff
300 bgs, F B Bertrand, McKeesport, Manchester
OCHER—50 bbls, 221 bgs, Smith Chem & Color Co, Estrella, Marseilles
85 cks, T H Deutz, Estrella, Marseilles
1,400 bgs, J Lee Smith & Co, Trondgate, Marseilles
69 cks, F B Vandegrift & Co, Trondgate, Marseilles
OIL, ALMOND—5 cs, Dodge & Olcott Co, American Trader, London
CITRONELLA—2 dms, Dodge & Olcott Co, Raby Castle, Batavia
12 dms, Stein, Hall & Co, Raby Castle, Batavia
2 dms, Glaucus, Batavia
3 dms, Magnus, Mabee & Reynard, President Adams, Colombo
COD—300 dms, Deutschland, Hamburg
312 dms, Bergensfjord, Kristiansund
CODLIVER—500 dms, Deutschland, Hamburg
190 dms, Manhattan, Hamburg
20 dms, Bergensfjord, Kristiansund
200 dms, Bergensfjord, Bergen
184 dms, Bergensfjord, Reykjavik
CORN—150 dms, Balfour, Guthrie & Co, Beemsterdijk, Rotterdam
250 dms, Corn Product Refg Co, New York Hamburg
150 dms, Corn Product Refg Co, Transylvania, Glasgow
75 dms, Balfour, Guthrie & Co, Statendam, Rotterdam
25 dms, Gloucester City, Cardiff
50 dms, American Trader, London
COTTONSEED—534 dms, Western World, Santos
ESSENTIAL—15 pkgs, Champlain, Havre
5 pkgs, Deutschland, Hamburg
2 cs, Berengaria, Southampton
1 dm, Pastores, Kingston
10 cs, Statendam, Rotterdam
8 pkgs, Scythia, Liverpool
2 dms, American Trader, London
2 dms, Calamares, Kingston
15 cs, Paris, Havre
6 pkgs, President Adams, Marseilles
FUEL—67,294 bbls, Asiatic Petroleum Corp, Antietam, Curacao

OIL, FUEL—96,000 bbls, Standard Oil Co of N J, Esso Bolivar, Aruba
69,688 bbls, Asiatic Petroleum Corp, Atlas, Curacao
90,000 bbls, Standard Oil Co of N J, F W Abrams, Aruba
91,672 bbls, Standard Oil Co of N J, Regulus, Aruba
92,000 bbls, Standard Oil Co of N J, Esso Aruba, Aruba
INSECTICIDE—9 cks, 10 cs, 26 pls, California Spray Chem Co, Trondgate, Marseilles
LAVENDER—1 dm, Givaudan-Delawanna, Estrella, Marseilles
5 cs, Magnus, Mabee & Reynard, Estrella, Marseilles
2 cs, Trondgate, Marseilles
LEMON—2 dms, W Loaiza & Co, Yucatan, Vera Cruz
LEMONGRASS—12 dms, Carlton & Moffat, President Adams, Cochin
MINERAL—100 dms, S Schwabacher & Co, Deutschland, Hamburg
OLIVE—740 cs, 384 dms, Estrella, Seville
106 dms, Banca Comm'l Italian Trust Co, Estrella, Seville
100 cs, Estrella, Nice
50 cks, Magnus, Mabee & Reynard, Trondgate, Nice
455 cs, President Adams, Genoa
50 cks, R U Delapana & Co, President Adams, Marseilles
PALM — Quantity, Banque Belge Pour l'Etranger, Raby Castle, Belawan
PEANUT—10 dms, Lamont, Corliss & Co, Black Osprey, Rotterdam
PERILLA—235,555 kilos, I R Boody & Co, Beemsterdijk, Rotterdam
PETITGRAIN—50 cs, Western World, Buenos Aires
POPPYSEED—50 dms, I R Boody & Co, Beemsterdijk, Rotterdam
RESIDUE—75 dms, New York, Hamburg
SANDALWOOD—10 cs, President Adams, Madras
SESAMESEED—200 dms, Beemsterdijk, Rotterdam
VEGETABLE—604,660 kilos, Edam, Rotterdam
VETIVER—3 dms, Corn Exchange Bank, Glaucus, Batavia
1 dm, Dodge & Olcott Co, Glaucus, Batavia
2 dms, Glaucus, Batavia
ORANGE PEEL—22 bgs, S B Penick & Co, Pastores, Port au Prince
PAPAIN — 28 cs, Central Hanover Bank, Berengaria, Southampton
PAPRIKA—300 bgs, Gallagher & Ascher, Deutschland, Hamburg
35 bgs, Avery F Payne Co, Manhattan, Hamburg
25 bgs, Manhattan, Hamburg
PARAFFIN—2 cs, Akatos Co, Deutschland, Hamburg
PEATMOSS—770 bls, Premier Peatmoss Corp, Scanmail, Copenhagen
391 bls, New Amsterdam Import & Supply Co, Bergensfjord, Heroen
1,582 bls, Premier Peatmoss Corp, Beemsterdijk, Rotterdam
630 bls, Premier Peatmoss Corp, Black Osprey, Rotterdam
2,100 bls, New York, Hamburg
1,000 bls, East Asiatic Co, Edam, Rotterdam
627 bls, Premier Peatmoss Corp, Statendam, Rotterdam
PEPPER—15 cs, American Trader, London
BLACK—1,012 bgs, Irving Trust Co, City of Singapore, Oosthaven
243 bgs, Glaucus, Oosthaven
PETROLEUM, CRUDE—61,003 bbls, Gulf Oil Corp, Nore, Las Piedras
PITCH, STEARIN—54 cks, Trondgate, Marseilles
POLISH, METAL—7 cs, Jenson & Co, American Shipper, Manchester
POPPYSEED—50 bgs, 5,500 lbs, Levy & Levis Co, Beemsterdijk, Rotterdam
100 bgs, 11,000 lbs, M Witsenburg, Edam, Rotterdam
100 bgs, 11,000 lbs, C M Van Sillevoldt, Statendam, Rotterdam
POTASH MURIATE—2,217,495 kilos, N V Potash Export My, Gerd, Bremen
PRUSSIATE—50 bbls, 6,215 lbs, American Cyanamid & Chem Co, Deutschland, Hamburg
SALT—5 cs, 6 cks, P H Petry & Co, American Trader, London
5 cs, Mager Bros, American Trader, London
SULPHATE—45,670 kilos, N V Potash Export My, Gerd, Bremen
POTASH MAGNESIA, SULPHATE—250 bgs, N V Potash Export My, Gerd, Bremen
PYRETHRUM FLOWERS—200 bls, City of New York, Mombasa
QUICKSILVER—70 flasks, Chase Natl Bank, Yucatan, Vera Cruz
25 flasks, Lo Curto & Funk, American Trader, London
RAPESEED—150 bgs, Gerolstein, Antwerp
RESIN—35 cs, Deutschland, Hamburg
RICE FLOUR—200 bgs, Stein, Hall & Co, Edam, Rotterdam
ROOT, MEDICINAL—7 bls, New York, Hamburg
SACCHARIN—1 cs, R Warner & Co, City of New York, Capetown
SAGO FLOUR—367 bgs, Stein Hall & Co, Raby Castle, Singapore
SARSAPARILLA ROOT—15 bls, Cauto, Tampico
SENNA LEAVES—75 bls, R J Prentiss & Co, President Adams
200 bls, President Adams, Tuticorin
SILICA—40 bgs, Pan American Trading Co, Western World, Santos
SILICON CARBIDE—990 bgs, 25 cks, D C Andrews & Co, Bergensfjord, Eydehavn
SIMARRUBA BARK — 1 pkg, Suzarte & Whitney, Astrea, Maracaibo
SOAP—75 cs, Banca Com'l Italian Trust Co, Estrella, Seville
BASE — 45 cs, Yardley & Co, American Trader, London
LIQUID—16 cs, J E Bernard & Co, Deutschland, Hamburg
POWDERED—1 kg, McKesson & Robbins, American Trader, London
STEARIN CHIPS—4 cs, Yardley & Co, American Trader, London
TOILET—3 cs, American Express Co, American Trader, London

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SODA, CARBONATE MONOHYDRATE — 12 dms, Yardley & Co, American Trader, London
CYANIDE—263 cks, Charles Hardy, Champlain, Havre
600 dms, American Cyanamid & Chem Co, Statendam, Rotterdam
HYDROSULPHATE—3 cks, Gerolstein, Antwerp
HYDROSULPHITE — 20 cks, Sandoz Chem Works, Beemsterdijk, Rotterdam
SOLVENT—499 dms, A Mersch, Rosario, Arecibo
SPONGES—16 bls, Schroeder & Tremayne, Munargo, Nassau
3 bls, J H Rhodes & Co, Munargo, Nassau
3 bls, American Sponge & Chamois Co, Munargo, Nassau
19 bls, Munargo, Nassau
10 cs, Rohner, Gehrig Co, Manhattan, Hamburg
25 bls, Phoenix Shipping Co, Oriente, Havana
9 bls, J H Rhodes & Co, President Adams, Manila
18 bgs, Antonios Stratigos, President Adams, Alexandria
REFUSE—33 bls, Munargo, Nassau
41 bls, Johns Manville Corp, Munargo, Nassau
SQUILL, RED LIQUID—10 cs, 1,230 cs, Ratin Laboratory, Manhattan, Hamburg
STARCH—17 cs, Burroughs, Wellcome & Co, American Trader, London
SOLUBLE—20 bgs, Morningstar-Nicol, Edam, Rotterdam
TANTALITE ORE—20 bgs, Gallagher & Ascher, Glaucus, Singapore
TALC—200 bgs, Utsire, Port Said
TAPIOCA FLAKE—1,213 bgs, Stein, Hall & Co, Glaucus, Sourabaya
FLOUR—13,174 bgs, Stein, Hall & Co, City of Singapore, Sourabaya
537 bgs, Stein, Hall & Co, City of Singapore, Cheribon
500 bgs, Central Hanover Bank, City of Singapore, Cheribon
250 bgs, Manufacturers Trust Co, City of Singapore, Cheribon
750 bgs, National Adhesive Corp, City of Singapore, Batavia
2,550 bgs, Stein, Hall & Co, City of Singapore, Batavia
250 bgs, Public Natl Bank, City of Singapore, Batavia
990 bgs, Chase Natl Bank, City of Singapore, Batavia
1,461 bgs, City of Singapore, Batavia
200 bgs, Chase Nat'l Bank, Raby Castle, Pasoeroen
276 bgs, Java American Export Co, Raby Castle, Pasoeroen
1,103 bgs, Raby Castle, Pasoeroen
309 bgs, Java American Export Co, Raby Castle, Sourabaya
972 bgs, H P Winter & Co, Raby Castle, Cheribon
300 bgs, Stein, Hall & Co, Raby Castle, Cheribon
3,233 bgs, Stein, Hall & Co, Raby Castle, Batavia
1,583 bgs, Chase Natl Bank, Raby Castle, Cheribon
5,986 bgs, Stein, Hall & Co, Glaucus, Sourabaya
1,006 bgs, Stein, Hall & Co, Glaucus, Cheribon
500 bgs, National Adhesive Corp, Glaucus, Batavia
750 bgs, Glaucus, Batavia
PEARL—349 bgs, Stein, Hall & Co, Glaucus, Sourabaya
170 bgs, Catz American Co, Glaucus, Batavia
SEED—302 bgs, Stein, Hall & Co, Glaucus, Sourabaya
TARTAR—822 bgs, Charles Pfizer & Co, Estrella, Marseilles
214 bgs, Estrella, Marseilles
669 bgs, Standard Brands, Inc, Estrella, Marseilles
1,437 bgs, Charles Pfizer & Co, Trondgate, Marseilles
469 bgs, Standard Brands, Trondgate, Marseilles
164 bgs, Standard Brands, Utsire, Oran
206 bgs, Utsire, Oran
THYME LEAVES—40 bls, Trondgate, Marseilles
TOLU BALSAM—25 cs, Wessel, Duval & Co, Pastores, Porto Colombia
20 cs, Eggers & Heinlein, Santa Paula, Colombia
15 cs, S Grazi & Co, Santa Paula, Colombia
TONKA BEANS—7 cks, Dodge & Olcott Co, Western World, Port Spain
6 cks, Thurston & Braidich, Western World, Port Spain
TUBA ROOT—50 bls, Chase National Bank, President Adams, Singapore
15 bls, President Adams, Singapore
URANIUM NITRATE—10 cs, 1,555 lbs, Central Trading Corp, Black Falcon, Antwerp
UREA—1,200 bgs, Synthetic Nitrogen Product Corp, Beemsterdijk, Rotterdam
VANILLA BEANS—66 cs, French Line, Utsire, Port Said
89 cs, Thurston & Braidich, President Adams, Marseilles
41 cs, President Adams, Marseilles
VARNISH—1 cs, M Grumbacher, Beemsterdijk, Rotterdam
WATER, MINERAL—10 cs, H S Dorf Co, Champlain, Havre
1,000 cs, E & J Burke, Trondgate, Marseilles
425 cs, D F Young, American Trader, London
WATTLE BARK—810 bls, City of New York, Mombasa
WAX, BARBERRY — 14 bgs, D Steengrafe, Pastores, Cristobal
BEES—100 bgs, City of New York, Dar Salaam
242 pkgs, Bank of London-South America, Estrella, Lisbon
439 pkgs, Banco Nat'l de Mexico, Cauto, Tampico
39 bgs, Cauto, Tampico
4 bgs, Struller & Wood, Astrea, Curacao
10 bgs, Schutte & Focke, Coamo, Trujillo
13 bls, Black Falcon, Antwerp
1 bg, L Goldey, Ponce, Mayaguez
4 bgs, Machado & Co, Ponce, Puerto Plata
50 bls, Wessel, Duval & Co, Utsire, Lisbon
48 bls, D Steengrafe, Utsire, Lisbon
16 bls, Cie Francaise de l'Afrique Occid, Utsire, Lisbon
393 bls, Phelps Bros, Utsire, Lisbon
242 bls, Utsire, Lisbon
2 bls, D Steengrafe, Rosario, San Juan
CANDELILLA—195 bgs, D A Zorrilla, Cauto, Tampico
254 bgs, M Argueso & Co, Cauto, Tampico
MINERAL—7 bgs, General Dyestuff Corp, Beemsterdijk, Rotterdam
VEGETABLE — 39 bgs, American Trader, London
WOLFRAM ORE — 1,120 bgs, Beemsterdijk, Rotterdam
500 bgs, Wah Chang Trading Corp, President Adams, Hongkong
YEAST—120 bbls, Vulkan Yeast Co, Deutschland, Hamburg
150 kgs, Compressed Yeast Co, Deutschland, Hamburg

New York Transit Imports

BLANC FIXE—43 cks, American Express Co, Edam, Rotterdam, Rochester
CARAWAY SEED—100 bgs, 11,000 lbs, Western Brokerage Co, Beemsterdijk, Rotterdam, Chicago
ERGOT—40 cs, Parke Davis & Co, Utsire, Lisbon, Detroit
LEAVES, MEDICINAL—100 cs, Foster Milbrune, President Adams, Genoa, Buffalo
MUSTARD SEED—150 bgs, C M Van Sillevoldt, Beemsterdijk, Rotterdam, Chicago
150 bgs, Bunge North American Grain Co, Edam, Rotterdam, Chicago
SPONGES—6 bls, Munargo, Nassau, London
33 bls, Munargo, Nassau, Antwerp
57 bls, Munargo, Nassau, Havre
32 bls, Munargo, Nassau, Kobe
REFUSE—13 bls, Munargo, Nassau, London
16 bls, Munargo, Nassau, Antwerp
8 bls, Munargo, Nassau, Havre
10 bls, Munargo, Nassau, Rotterdam

Baltimore Imports

ANTIMONY OXIDE—330 bgs, Black Osprey, Antwerp
BONE SINEWS—300 bls, New Orleans, Karachi
BONEMEAL—1,104 bgs, Black Osprey, Antwerp
BRONZE POWDER—3 cs, City of Norfolk, Hamburg
CHEMICALS—40 csks, City of Havre, Hamburg
112 csks, Black Osprey, Rotterdam
CHROME ORE — 1,500 tons, New Orleans, Madras
1,513 tons, E J Lavino Co, Sagadahoc, Lourenco Marques
2,000 tons, Delisle, Nuevitas
CLAY—200 bgs, City of Havre, Hamburg
350 bbls, 115 csks, Black Osprey, Rotterdam
REFRACTORY—700 bgs, Black Osprey, Antwerp
VALLENDAR—100 csks, Black Osprey, Rotterdam
FERROMANGANESE—400 cs, Nojima, Yokohama
FERTILIZER, NITROGENOUS — 2,000 bgs, Nairnbank, Calcutta
GUM COPAL—42 bgs, City of Norfolk, Southampton
HOOF MEAL—600 bgs, The Angeles, Santos
540 bgs, Cliffwood, Buenos Aires
IRON ORE—21,800 tons, Bethlehem Steel Co, Lebore, Cruz Grande
1,300 tons Fernwood Masinloc
5,700 tons, Bethlehem Steel Co, Mangore, Felton
21,500 tons, Bethlehem Steel Co, Marore, Cruz Grande
LIVER MEAL—454 bgs, The Angeles, Montevideo
MANGANESE ORE—1,000 tons, Carnegie Steel Co, Nairnbank, Calcutta
1,500 tons, Carnegie Steel Co, City of Guildford, Calcutta
1,000 tons, New Orleans, Calcutta
MOLASSES—13,098,883 lbs, Cuba Distilling Co, Catahoula, Macoris
MYROBALANS—3,990 pkts, New Orleans, Calcutta
OIL, CODLIVER—15 bbls, City of Norfolk, Hamburg
FUEL—58,801 bbls, Standard Oil Co of N J, Aino, Aruba
VEGETABLE—100 dms, Black Osprey, Rotterdam
PEATMOSS—650 bls, City of Havre, Hamburg
PETROLEUM, CRUDE—82,000 bbls, Standard Oil Co of N J, Penelope, Las Piedras
78,028 bbls, Standard Oil Co of N J, Beaconstreet, Las Piedras
PYRETHRUM FLOWERS — 125 bls, Nojima, Kobe
QUEBRACHO EXTRACT—3,311 bgs, The Angeles, Buenos Aires
25,543 bgs, Tannin Corp, The Angeles, Buenos Aires
400 bgs, Internat Prod Co, The Angeles, Buenos Aires
SAND, IRON—90 bgs, American Express Co, City of Havre, Hamburg
SILLIMANITE ROCK—270 tons, Nairnbank, Calcutta
SODA SILICOFLUORIDE—200 bgs, City of Havre, Hamburg
TANKAGE—3,500 bgs, The Angeles, Montevideo
1,016 bgs, The Angeles, Santos
1,896 bgs, Cliffwood, Buenos Aires

Boston Imports

ACID, PEANUT OIL—100 dms, 46,023 lbs, Black Gull, Rotterdam
BITUMEN—28 bgs, American Trader, London
CASSIA—350 bls, Nojima, Hongkong
CHEMICALS—251 dmjbns, 39,154 lbs, Black Gull, Rotterdam
300 bgs, 73,581 lbs, Black Gull, Antwerp
60 cks, 35,913 lbs, F A Kertess, Black Gull, Antwerp
COCOA BEANS—400 bgs, Walter Baker & Co, American Trader, London
CODLIVER MEAL—350 hlf bgs, 55,001 lbs, Wessel, Duval & Co, Black Gull, Antwerp
COLOR, POTTERS'—1 ck, Scythia, Liverpool
EGG YOLK, HEN—28 cs, Dodwell & Co, Tokai, Tientsin
EMERY FILLET—1 cs, Atkinson, Haserick & Co, American Shipper, Liverpool
EXTRACTS—2 cs, Gustav Martin, Scythia, Liverpool
FERTILIZER, CHEMICAL—50 bgs, American Trader, London
FISHLIVERS—63 cs, from Nova Scotia
7 crtns, General Seafoods Corpn, Newfoundland, Halifax
1,053 tins, Nojima, Yokohama
1 cs, J A Rich, Saint John, St John, N B
GELATIN—714 bgs, 80,304 lbs, International Selling Corpn, Black Gull, Antwerp
143 bgs, 16,090 lbs, Black Gull, Antwerp
212 bgs, 23,852 lbs, John A Conkey & Co, Black Gull, Antwerp
GLASS, WINDOW—300 cs, 20,503 lbs, Black Gull, Antwerp
GLUE, MARINE PITCH—12 crts, 1 dm, L W Ferdinand & Co, American Trader, London
GLUESTOCK, FISH SCRAP—7 bxs, J R Poole Co, Yarmouth, Yarmouth
2 bbls, Rogers Isinglass & Glue Co, Newfoundland, Halifax
HIDE CUTTINGS—68 bls, 5 tons, 10 cwt, 3 qrts, 8 lbs, Scythia, Liverpool
178 bls, 15 tons, 1 qrt, 14 lbs, American Express Co, Scythia, Liverpool
GREASE, RECOVERED—100 dms, First Nat Bank, American Shipper, Manchester
GUM, INDUSTRIAL—50 cks, 12 tons, 7 cwt, J P Marston Co, Scythia, Liverpool
HERBS—8 cs, 2,542 lbs, World Freight Co, Black Gull, Antwerp
INSECTICIDE—7 cs, American Express Co, American Trader, London
IRON OXIDE—50 dms, Reichard Coulston, American Shipper, Liverpool
MAGNESIA, CARBONATE—224 bgs, Schofield Donald Co, American Shipper, Liverpool
MEDICINAL PREPS—16 pkgs, Quong Wo Lung, President Cleveland, Hongkong
5 pkgs, Tun Hing Lung, President Cleveland, Hongkong
191 crtns, Angier Chemical Co, American Trader, London
MICA, SCRAP—1,000 bgs, First Nat Bank, City of Hankow, Calcutta
SPLITTINGS—50 cs, Wallace Bros, City of Hankow, Calcutta
200 cs, City of Hankow, Calcutta
MUSTARD SEED—300 bgs, 66,138 lbs, Stickney & Poor Spice Co, Black Gull, Rotterdam
NAPHTHALENE—2,667 bgs, 445,384 lbs, Black Gull, Rotterdam
OIL, COD—50 dms, F W Damon, Newfoundland, St John's, N F
100 cks, White & Hodges, Newfoundland, St John's, N F
74 cks, from Nova Scotia
CODLIVER—13 dms, from Newfoundland
ESSENTIAL—4 cs, Lever Bros, American Trader, London
LUBRICATING—75 bbls, 40,071 lbs, Black Gull, Antwerp
MINERAL—2 dms, Gillette Safety Razor Co, American Trader, London
PALM—788 tons, United Africa Co, West Humhaw, Koko
806 tons, Balfour, Guthrie & Co, West Humhaw, Burutu
1,207 tons, Balfour, Guthrie & Co, West Humhaw, Matadi
PEANUT—1 dm, American Express Co, Scythia, Liverpool
SPERM—55 dms, Transylvania, Glasgow
OSSEIN—2,200 bgs, 223,881 lbs, Atlantic Gelatine Co, Black Gull, Antwerp
2,200 bgs, 246,386 lbs, J O Whitten, Black Gull, Antwerp
3,958 bgs, 611,818 lbs, Black Gull, Antwerp
POLISH, METAL—1 cs, American Express Co, American Trader, London
PITCH, WOOD—6 bbls, 1 ton, Scythia, Liverpool
SHELLAC—1 bg, American Trader, London
SOAP, TOILET—1 cs, Lever Bros, Scythia, Liverpool
SODA, HYDROSULPHITE—50 kegs, 4 tons, 18 cwt, 2 qtrs, 18 lbs, Philipp Bros, Scythia, Liverpool
STARCH—6 cs, Quong Wo Lung, President Cleveland, Hongkong
TAPIOCA FLOUR—2,408 bgs, Balfour, Guthrie & Co, Glaucus, Pamanoekan
520 bgs, Guaranty Trust Co, Glaucus, Batavia
PEARL—349 bgs, 56,903 lbs, National City Bank, Glaucus, Sourabaya
TOILET PREP'S—2 cs, S S Pierce Co, American Trader, London
ZINC, CHLORIDE—32 cyls, 18,342 lbs, Philipp Bros, Black Gull, Antwerp
DUST—50 dms, 24,030 lbs, Argosy, Gdynia

Boston Transit Imports

SEA GRASS—20 bls, Bank of Montreal, Tokai, Hongkong, for Pierreville, Canada

Corpus Christi Imports

OIL, FUEL—35,647 bbls, Henry M Dawes, Smith Bluff

Houston Imports

BLEACHING POWDER — 50 cs, Aquarius, Liverpool
CINNAMON QUILLS—50 bls, El Occidente, New York
MOLASSES—1,365,981 gls, Gertrude Kellogg, San Juan

Los Angeles Imports

ACID, STEARIC—51,520 lbs, Langlee Gorse, Kobe
AGAR AGAR—800 lbs, Keisho, Tokio
ALCOHOL—57,830 lbs, Manoeran, Manila
ALUMINUM LEAF—20 lbs, Elbe, Berlin
AMMONIA, PHOSPHATE—259,840 lbs, Kingsley, Trail
SULPHATE—141,120 lbs, Kingsley, Trail
ANTIMONY ORE—85,980 lbs, from Iguala, Mexico
ARROWROOT FLOUR—240 lbs, Keisho, Kobe
BABASSU KERNELS—119,050 lbs, Evanger, Bahia
BALSAM—600 lbs, Charcas, El Salvador
BONE MEAL—112,000 lbs, Benjamin Franklin, Paris
112,000 lbs, Benjamin Franklin, Brussels
112,000 lbs, Lochgoil, Munich
PHOSPHATE—49,280 lbs, Benjamin Franklin, Selzaete
CAMPHOR, REFINED—10 lbs, Nojima, Yokohama
CASSIA, UNGROUND—24,250 lbs, Corneville, Hongkong
CHALK, PRECIP — 56,000 lbs, Benjamin Franklin, Bruxelles
CHEMICAL COMPOUND—1,140 lbs, Chichibu, Yokohama
10 lbs, Nojima, Yokohama
CHINA CLAY—196,780 lbs, Lochgoil, St Austell
CLAY, BALL—111,660 lbs, Lochgoil, Plymouth
COALTAR, DEHYDRATED—50,000 lbs, Modavia, London
COPPERAS—77,170 lbs, Elbe, Antwerp
DRUGS, CRUDE—7,000 lbs, Azumasan, Yokohama
DYE, HAIR—50 lbs, Keisho, Kobe
FERTILIZER, SUBSTANCE — 100,000 lbs, Keisho, Yokohama
FERROMANGANESE—280,000 lbs, Benjamin Franklin, Oslo
FISH MEAL—11,200 lbs, Keisho, Yokohama
371,840 lbs, Kingsley, Vancouver
GLASS, CROWN—2,240 lbs, Modavia, Birmingham
ROLLED — 2,040 lbs, Benjamin Franklin, Brussels
1,860 lbs, Modavia, Birmingham
SHEET — 108,230 lbs, Benjamin Franklin, Brussels
11,390 lbs, Europa, Prague
7,250 lbs, Tacoma, Brussels
HEMPSEED MEAL — 196,000 lbs, Langlee Gorse, Kobe
INK—30 lbs, Chichibu, Japan
MACE, UNGROUND—1,130 lbs, Manoeran, Macassar
MEDICINAL PREPS—30 lbs, Vancouver, Essen, Germany
40 lbs, Keisho, Kobe
NUTMEGS, UNGROUND—2,850 lbs, Manoeran, Macassar
OIL, COMPOUND—4,000 lbs, Europa, Copenhagen
COTTONSEED, SEMI-REFINED — 621,770 lbs, Chichibu, Osaka
MINERAL—80,000 lbs, Europa, Copenhagen
OLIVE—6,610 lbs, Chisone, Marseilles
PERILLA—40,000 lbs, Langlee Gorse, Kobe
PEATMOSS—76,160 lbs, Europa, Malmo
PEANUT MEAL—250,000 lbs, Langlee Gorse, Tsingtao
PEPPER, UNGROUND—11,240 lbs, Langlee Gorse, Saigon
POTASH, ALUM—11,490 lbs, Lochgoil, Frankfurt
RICE BRAN MEAL—50,000 lbs, Kinai, Kobe
SAND, SILICA—896,000 lbs, Wisconsin, Antwerp
SARDINE MEAL—112,000 lbs, Keisho, Yokohama
SEAWEEDS, CRUDE—20 lbs, Keisho, Yokohama
DRIED—256 lbs, Keisho, Yokohama
400 lbs, Keisho, Tokyo
500 lbs, Keisho, Kobe
SESAME SEED—800 lbs, Taiyo, Hongkong
MEAL—168,000 lbs, Langlee Gorse, Shanghai
PULP—10,000 lbs, Chichibu, Shanghai
SOAP, TOILET—140 lbs, Nojima, Yokohama
320 lbs, From Paris
SODA CYANIDE—10,000 lbs, Lochgoil, Amsterdam
SPIEGELEISEN—168,000 lbs, Benjamin Franklin, Oslo

STARCH RICE—2,200 lbs, Lochgoil, Amsterdam
TAPIOCA FLOUR—10,000 lbs, Manoeran, Batavia
TOILET PREPS—80 lbs, Langlee Gorse, Kobe
180 lbs, Nojima, Yokohama
20 lbs, Keisho, Kobe

New Orleans Imports

BAUXITE ORE—2,849 tons, Republic Mining & Mfg Co, Austvangen, Paramaribo
2,700 tons, Republic Mining & Mfg Co, Heroy, Paramaribo
2,536 tons, Republic Mining & Mfg Co, Heroy, Trinidad
COCONUTS—200 sx, Whitney Bank, Metapan, Cristobal
100 sx, Whitney Bank, Contessa, Cristobal
160 sx, F Beyer, Smaragd, Belize
50 sx, J Meyer, Smaragd, Belize
100 sx, L H Hayward, Smaragd, Belize
93 sx, Fruit Dispatch Co, Baja California, Swan Island
HERBS—240 bls, Irving Trust Co, Tatsuno, Tientsin
OIL, CHINAWOOD—620 tons, Spencer Kellogg & Sons, Tatsuno, Hankow
1,450 tons, National City Bank of Cleveland, Tatsuno, Hankow
CODLIVER—1,042 dms, Koenigsberg, Hamburg
VEGETABLE—15 dms, W R Grace, Tatsuno, Kobe
ORE SAMPLES—11 sx, G Westfeldt, Louisiane, Tampico
6 sx, W J Oberle, Louisiane, Tampico
PETROLEUM—85 dms, Koenigsberg, Bremen
POTASH, SULPHATE—100 sx, N V Potash, Koenigsberg, Hamburg
SALT—2 sx, Standard Fruit & Steamship Co, Koenigsberg, Hamburg

Philadelphia Imports

ACIDS, SESAME OIL—1 bbl, Maasdam, Rotterdam
SOYBEAN OIL—66,342 kilos, Maasdam, Rotterdam
60 bbls, Maasdam, Rotterdam
SPERM OIL—60 dms, George A Street, Maasdam, Rotterdam
ALBUMEN, EGG, HEN—11 cs, Dodwell & Co, Tokai, Tientsin
AMMONIA SULPHATE—1,000 bgs, Advance Chemical & Solvent Corp, Maasdam, Rotterdam
ASBESTOS, CRUDE—900 bgs, Raw Asbestos Dist, Sagadohoc, Beira
FIBRE—800 bgs, Continental Diamond Fibre Co, Scanyork, Stockholm
BAUXITE—2,069 tons, Georgetown, Gunvor
CARAWAY SEED—150 bgs, Maasdam, Rotterdam
CELERY SEED—50 bgs, Trongate, Marseilles
CHEMICALS—400 bgs, 252 dms, 64 cs, Maasdam, Rotterdam
CHINA CLAY—127,120 kilos, United Clay Mines Corp, Maasdam, Rotterdam
CHROME ORE—3,003 tons, 6 cwt, 8 lbs, E J Lavino, Sagadohoc, Beira
297 tons, 19 cwt, 2 qrts, 6 lbs, Philadelphia National Bank, Sagadohoc, Lourenco Marques
489 tons, 3 qrts, 1 lb, Standard Bank of S A, Sagadohoc, Lourenco Marques
2,822 tons, Cuban Industrial Ore Co, Delisle, Nuevitas
2,200 tons, Electr Metallurgical Co, Australind, Pagoumene
COCOA BEANS—4,776 bgs, Maasdam, Rotterdam
FIBRE—3,011 ballots, First National Bank, Mahout, Colombo
COCONUTS—220 bgs, Ed Freeman, Barbara, Mayaguez
100 bgs, E D Mills Co, Tokai, Cristobal
CORK, REFUGO—8,750 bls, Cork Insulation Co, Trongate, Lisbon
VERGIN—3,505 bls, Cork Insulation Co, Lisbon
WASTE—1,961 bls, Trongate, Lisbon
FISH MEAL—1,000 bgs, Consumers Import Co, Tokai, Yokohama
FLAXSEED—1,524,000 kilos, Louis Dreyfus & Co, Cliffwood, Buenos Aires
FLUORSPAR—284 tons, 9 cwt, Standard Bank of S A, Sagadohoc, Durban
HONEY—15 bbls, Holloway Corp, Barbara, San Juan
INDIGO—1 pkg, E I Du Pont de Nemours & Co, Nojima, Darien
LARD, VEGETABLE—2 tins, C F Simomins & Sons, Barbara, San Juan
MAGNESITE—30 dms, Speiden, Whitfield & Co, Maasdam, Rotterdam
CLINKERS—2,400 bgs, Nojima, Darien
MANGANESE SULPHATE—66 cks, Harshaw Chemical Co, Maasdam, Rotterdam
MYROBALANS—10,000 pkts, Mahout, Calcutta
2,000 pkts, Guaranty Trust Co, Mahout, Calcutta
NAPHTHALENE, CRUDE—980 bgs, John H Faunce, Sagadohoc, Durban
OIL, CHINAWOOD—200 tons, Mitsui & Co, Ltd, Tokai, Hongkong
699.73 tons, Werner G Smith Co, Irisbank, Hankow
COTTONSEED—1,168 dms, Collingsworth, Santos
FUEL—3,506,967 gls, Socony Vacuum Oil Co, Gedania, Aruba
HAARLEM—1 bx, Master Drug Co, Maasdam, Rotterdam
PEQUE—9 dms, Polycarp, Natal
PERILLA—220.3 tons, W R Grace & Co, Tokai, Darien
OXIDE, RED—881 bbls, F B Vandegrift & Co, Maasdam, Rotterdam
PEATMOSS—518 bls, Maasdam, Rotterdam
PETROLEUM, CRUDE—114,920 bbls, Gulf Oil Corp, Gulfwing, Las Piedras
POPPYSEED—100 bgs, Maasdam, Rotterdam
PYRITES ORE—7,578 tons, Induna, Huelva
QUEBRACHO EXTRACT—1,000 bgs, International Products Corp, Collingsworth, Buenos Aires
21,715 bgs, Tannin Corp, Collingsworth, Buenos Aires
RUTILE ORE—760 bgs, Collingsworth, Santos
SOAP LYE—28 dms, Collingsworth, Buenos Aires
TANKAGE—500 bgs, Cliffwood, Buenos Aires
4,000 bgs, Mutual Rendering Co, Cliffwood, Buenos Aires
2,584 cakes, Philadelphia National Bank, Cliffwood, Buenos Aires
34 bgs, Philadelphia National Bank, Cliffwood, Buenos Aires
1,300 bgs, Collingsworth, Buenos Aires
1,958 bgs, Wilson & Co, Collingsworth, Buenos Aires
2,000 bgs, M L Shoemaker, Collingsworth, Santos
TAPIOCA FLOUR—1,000 bgs, Chase National Bank, Irisbank, Cheribon
276 bgs, Bank of New York, Irisbank, Pasoeroean
WAX, BEES—46 bls, Maasdam, Rotterdam

Portland, Ore., Imports

COTTONSEED MEAL — 1,000 sks, Mitsubishi Trading Co, Michigan, Otaru
INK, DRAWING — 2 cs, Chas Holbrook, Schwaben, Bremen
PARAFFIN—1,200 sks, Shell Oil Co, Djambi, Manila
PEANUT MEAL—2,500 sks, Balfour, Guthrie & Co, Michigan, Tsingtao
POTASH, MURIATE—1,000 sks, and 319,000 kilos in bulk, First National Bank of Boston, Schwaben, Antwerp
SULPHATE—750 sks, First National Bank of Boston, Schwaben, Antwerp
RAPESEED MEAL—400 sks, M Furuya Co, Michigan, Otaru
SESAME SEED MEAL—1,500 sks, Mitsubishi Shoji Kaisha, Michigan, Otaru
SODA CHLORATE—2,000 dms, Chemnyco, Inc, Schwaben, Hamburg
SOYBEAN MEAL—6,000 sks, Balfour, Guthrie & Co, Michigan, Dairen
6,000 sks, Albers Bros Milling Co, Michigan, Dairen
2,000 sks, Durkee Famous Foods, Michigan, Dairen
TAPIOCA SIFTINGS—50 sks, American Trust Co, Djambi, Sourabaya
TANKAGE, LIVER — 500 sks, San Antonio, Antwerp

San Francisco Imports

ACID, CITRIC—12 cs, Maui, Honolulu
ALCOHOL—100 dms, Maunalei, Honolulu
ARGOLS—418 sks, W R Grace & Co, Santa Paula, San Antonio
ARSENIC — 820 bbls, General Chemical Co, Vancouver, Hamburg
BONES—501,580 kilos, Evanger, Buenos Aires
GRANULATED—7,397 sks, Evanger, Buenos Aires
CALCIUM ARSENATE—2,000 dms, Mitsui & Co, Langleegorse, Kobe
TARTRATE — 1,012 sks, American Cream Tartar Co, Evanger, Buenos Aires
CANARY SEED—422 sks, Evanger, Buenos Aires
COCOA BEANS—1,078 sks, H A Phillips & Co, Evanger, Para
1,000 sks, American Trust Co, Evanger, Bahia
250 sks, Balfour, Guthrie & Co, Evanger, Bahia
COPRA—2,024 tons, El Dorado Oil Works, Admiral Cole, Philippine Islands
COLORS, PASTEL—2 cs, Schwaben, Hamburg
COTTONSEED MEAL — 500 sks, Balfour, Guthrie & Co, Langleegorse, Kobe
CURICURY NUTS — 1,710 sks, Bank of California, N A, Evanger, Bahia
FERTILIZER—1,200 sks, Langleegorse, Kobe
FILTER MASS—50 bls, Bauer Schweitzer Hop & Malt Co, Schwaben, Bremen
FLAXSEED—8,342 sks, Evanger, Buenos Aires
GLASS, WINDOW—120 cs, Victor Portrait Co, Vancouver, Antwerp (for Oakland)
GUM COPAL—50 sks, Henry W Peabody & Co, Silvermaple, Singapore
IRON OXIDE, DRY—8 csks, Pacific Enterprise, Manchester
MILLET SEED—430 sks, Louis Dreyfus & Co, Evanger, Rosario
MOLASSES—800 tons, Manukai, Honolulu
457 tons, Malama, Hilo
1,024,000 lbs, Malama, Ahukini
4,000 tons, Kishacoquillas, Port Allen
9,010,000 lbs, Kishacoquillas, Nawiliwili
2,000,000 lbs, Maui, Kahului
MURU MURU KERNELS—1,000 sks, Bank of California, N A, Evanger, Para
OIL, CHINAWOOD—364 tons, Werner G Smith Co, Admiral Cole, Shanghai
COCONUT, CRUDE—500 tons, Pacific Vegetable Oil Corp, Silvermaple, Manila
994 tons, Philippine Refining Corp of N Y, Silvermaple, Cebu
COTTONSEED—33 dms, American Trust Co, Evanger, Santos
RICE BRAN — 50 dms, Mitsubishi Shoji Kaisha, Langleegorse, Kobe
PAPRIKA—50 sks, S H Tyler & Son, Vancouver, Hamburg
50 sks, McClintock-Stern Co, Vancouver, Hamburg
PEATMOSS—800 bls, Peat Import Corp, Vancouver, Bremen
1,200 bls, Peat Import Corp, Vancouver, Bremen (for Oakland)
PEPPER, BLACK—200 sks, Langleegorse, Saigon
POTASH SULPHATE—9,500 sks, First National Bank of Boston, Schwaben, Antwerp (for Oakland)
PUMICE—2 cs, H Wellendorf, Schwaben, Hamburg
PUTTY—9 cs, Plant Rubber & Asbestos Works, Vancouver, Hamburg
PYRETHRUM FLOWERS—30 bls, Buhach Producing & Manufacturing Co, Langleegorse, Kobe
RAPESEED—120 sks, Pacific Enterprise, Manchester
RICE BRAN, MEAL—1,000 sks, Mitsubishi Shoji Kaisha, Langleegorse, Kobe
SHELLAC—200 sks, Silvermaple, Calcutta
SODA, BICARBONATE—100 sks, Mitsui & Co, Bokuyo, Moji
SOYBEAN MEAL—1,000 sks, Mitsubishi Shoji Kaisha, Michigan, Dairen
TALLOW—1 bbl, Maunalei, Hilo
15 dms, Manukai, Kahului
TIMBO ROOT, POWD—105 cs, Chase National Bank, Evanger, Para
TUCUM NUT KERNELS—1,050 sks, Bank of California N A, Evanger, Para
UREA—1,000 sks, Wilson & George Meyer & Co, Vancouver, Antwerp
VARNISH THINNER — 25 dms, Maunalei, Honolulu

Savannah Imports

TAPIOCA FLOUR—1,014 bgs, Tabinta, Batavia
2,265 bgs, Tabinta, Sourabaya
3,541 bgs, Tabinta, Cheribon

Seattle Imports

CHALK—500 sks, S A Winther Co, Schwaben, Bremen
CHEMICALS—50 dms, Van Waters & Rogers, Schwaben, Hamburg
MACE—15 cs, Djambi, Padang
OIL, CODLIVER—10 cks, L H Butcher & Co, Schwaben, Hamburg
PEPPER, BLACK—81 sks, Java Sumatra Handel My, Djambi, Batavia
STARCH, POTATO—10 sks, Delftdijk, Rotterdam
SUPERPHOSPHATE—500 sks, National City Bank of N Y, San Antonio, Antwerp

Tacoma Imports

GUM, DAMMAR—210 sks, Chase National Bank, Djambi, Singapore
OIL, CODLIVER—50 dms, Schwaben, Bremen
POTASH MURIATE—2,000 sks, First National Bank of Boston, Schwaben, Antwerp
SULPHATE—500 sks, First National Bank of Boston, Schwaben, Antwerp
TAPIOCA FLOUR—750 sks, Djambi, Tandjong-Priok

Tampa Imports

BONE FLOUR—200 bgs, Alberta, Fiume
TOILET PREP'S—4 ctns, Cuba, Havana

Exports From U.S. Ports

New York Exports

Clearance Dates

American Farmer, July 30; Birmania, August 24; City of Winchester, August 21; Dordrecht, August 29; Examelia, August 25; Harboe Jensen, August 25; Hokkai, August 14; Ile France, August 25; Independence Hall, August 25; Ingrid, August 20; Kwanto, August 24; Laila, July 23; Liberty, August 23; Northern Prince, August 21; Peten, August 26; Platano, August 27; Ponce, August 21; Santa Clara, August 20; Silveryew, August 23; Taybank, August 7; Ulua, August 28; Washington, August 25; West Selene, August 24

ACID, CITRIC—121 lbs, Platano, Porto Cortes
MURIATIC—18,500 lbs, Platano, Porto Cortes
SULPHURIC—(Laila) 8,077 lbs, Guayaquil; 83,039 lbs, Callao
ALCOHOL, ISOPROPYL—935 gls, Independence Hall, Havre
OCTYL—165 gls, Independence Hall, Havre
ALUMINA STEARATE—44,180 lbs, Northern Prince, Buenos Aires
AMMONIA—3,902 lbs, Ingrid, Trinidad
AMYL ACETATE—5,352 lbs, West Selene, Santos
ASPHALT—124,156 lbs, American Farmer, London; (Examelia) 266,210 lbs, Piraeus; 219,258 lbs, Salonica; 4,763 lbs, Platano, Porto Cortes; 6,960 lbs, West Selene, Rio Janeiro
LIQUID — 74,088 lbs, Independence Hall, Havre
SOLID—23,531 lbs, Independence Hall, Havre
BISMUTH, METALLIC—13,151 lbs, American Farmer, London
BLUE, LAUNDRY—2,529 lbs, Ulua, Bluefields
ULTRAMARINE — 334 lbs, West Selene, Santos
VITRIOL—26,885 lbs, Santa Clara, Callao
CARBON, BISULPHIDE—12,973 lbs, Laila, Buenaventura
DECOLORIZING—(West Selene) 26,288 lbs, Santos; 86,800 lbs, Rio Janeiro
CHEMICALS—75,929 lbs, American Farmer, London; 12,960 lbs, Independence Hall, Havre
CORN FLOUR—(Laila) 34,328 lbs, Guayaquil; 2,400 lbs, Arica; 662 lbs, Platano, Porto Barrios; 852 lbs, Harboe Jensen, Limon
SYRUP—1,350 lbs, Silveryew, Manila; 533 lbs, Platano, Porto Barrios; 3,788 lbs, Peten, Havana
DEXTRIN—11,300 lbs, American Farmer, London; (City of Winchester) 1,410 lbs, Auckland; 4,935 lbs, Wellington
CORN—4,512 lbs, City of Winchester, Wellington
DRUGS—3,734 lbs, American Farmer, London
ERGOT—1,399 lbs, Ingria, Lisbon
ETHYL ACETATE—2,228 lbs, West Selene, Santos
ETHYLENE DIAMINE—1,932 lbs, Independence Hall, Havre
FERTILIZER—2,080,400 lbs, Silveryew, Hoilo; 22,398 lbs, Laila, Buenaventura
GASOLINE—11,000 gls, City of Winchester, Wellington
GELATIN—4,160 lbs, Silveryew, Manila
GLASS, PLATE—7,420 lbs, West Selene, Santos
WINDOW—9,912 lbs, Peten, Havana
GLUCOSE—2,634 lbs, Ulua, Kingston
SOLID—(City of Winchester) 3,010 lbs, Auckland; 1,504 lbs, Lyttelton
GLUE, HIDE—6,660 lbs, American Farmer, London
PRESERVER—5,800 lbs, American Farmer, London
GRAPE SUGAR—(City of Winchester) 2,820 lbs, Lyttelton; 5,922 lbs, Wellington
GRAPHITE—14,390 lbs, Independence Hall, Havre
GREASE, LUBRICATING—39,853 lbs, American Farmer, London; (Liberty) 8,063 lbs, Manchester; 2,596 lbs, Belfast; (Examelia) 360 lbs, Piraeus; 1,984 lbs, Salonica; (Birmania) 48,574 lbs, Genoa; 52,267 lbs, Fiume; 8,415 lbs, Silveryew, Manila; (Ile de France) 2,526 lbs, Bordeaux; 64,210 lbs, Rouen; (Ingria) 988 lbs, Lobito; 5,665 lbs, Benguela; 7,167 lbs, Casablanca; 12,914 lbs, Marseilles; 1,364 lbs, Oran; 10,590 lbs, Algiers; 24,244 lbs, Tunis; (Washington) 16,265 lbs, Havre; 1,080 lbs, Hamburg; 24,007 lbs, Independence Hall, Dunkirk; (City of Winchester) 15,214 lbs, Auckland; 6,145 lbs, Wellington; 4,466 lbs, Dunedin; (Laila) 3,075 lbs, Buenaventura; 11,572 lbs, Guayaquil; 18,636 lbs, Arica; 8,542 lbs, Valparaiso; 6,096 lbs, Porto Cortes; 5,245 lbs, Kwanto, Yokohama; 14,185 lbs, Taybank, Manila; 44,216 lbs, Peten, Havana
INFUSORIAL EARTH—10,033 lbs, American Farmer, London
INK, PRINTING—5,137 lbs, Ponce, San Juan
INSECTICIDE, HOUSEHOLD — 15,000 lbs, Santa Clara, Callao
IRON, OXIDE—7,040 lbs, American Farmer, London; 89,698 lbs, Birmania, Genoa
LARD—25,600 lbs, American Farmer, London; (Ponce) 48,639 lbs, San Juan; 49,000 lbs, Ponce; 8,175 lbs, Aguadilla; 11,850 lbs, Ulua, Guayaquil
LEAD ARSENATE—(Laila) 81,124 lbs, Valparaiso; 35,756 lbs, Talcahuano
LINSEED CAKE—1,352,366 lbs, Independence Hall, Havre
MEAL—448,250 lbs, Independence Hall, Havre
LITHARGE—13,185 lbs, West Selene, Santos
MALEIC ANHYDRIDE—3,721 lbs, Washington, Hamburg
OIL, CASTOR—5,005 lbs, American Farmer, London
CASTOR, SULPHONATED — 113,800 lbs, Ulua, Cartagena
COCONUT—4,925 lbs, Platano, Porto Barrios; 24,412 lbs, Peten, Havana
CORN—5,463 lbs, Ponce, San Juan; (City of Winchester) 1,560 lbs, Wellington; 902 lbs, Dunedin; 30,360 lbs, Hokkai, Yokohama
CYLINDER—4,385 tons, Dordrecht, London and Avonmouth
EDIBLE — (Laila) 2,376 lbs, Buenaventura; 49,783 lbs, Guayaquil; 2,390 lbs, Ulua, Cartagena
ENGINE — (Kwanto) 55,000 gls, Yokohama; 55,000 gls, Sasebo; 27,500 gls, Kure
FLOTATION—1,100 gls, Santa Clara, Callao
LONG BURNING—895 tons, Dordrecht, London and Avonmouth
LUBRICATING — 33,941 gls, American Farmer, London; (Liberty) 28,621 gls, Manchester; 3,880 gls, Belfast; (Examelia) 13,695 gls, Piraeus; 1,965 gls, Salonica; (Birmania) 2,475 gls, Genoa; 1,100 gls, Naples; 18,645 gls, Fiume; 1,815 gls, Trieste; 880 gls, Ingrid, Paramaribo; (Silveryew) 3,835 gls, Manila; 8,500 gls, Hongkong; (Ile France) 49,182 gls, Havre; 1,554 gls, Bordeaux; 6,090 gls, St Nazaire; 2,730 gls, La Rochelle; 1,650 gls, Rouen; (Santa Clara) 1,155 gls, Pimentel; 4,950 gls, Buenaventura; 1,870 gls, Mollendo; 11,000 gls, Valparaiso; (Ingria) 1,512 gls, Lisbon; 1,100 gls, Loanda; 714 gls, Leixoes; 12,375 gls, Casablanca; 630 gls, Duala; 924 gls, Marseilles; 854 gls, Sfax; 1,375 gls, Philippeville; 550 gls, Oran; (Washington) 8,400 gls, Havre; 4,540 gls, Hamburg; 2,520 gls, Czechoslovakia; (Independence Hall) 3,150 gls, Havre; 84,462 gls, Dunkirk; 1,830 tons, Dordrecht, London and Avonmouth; (City of Winchester) 65,171 gls, Auckland; 62,480 gls, Wellington; 275 gls, New Plymouth; 28,215 gls, Lyttelton; 52,800 gls, Dunedin; (Laila) 10,760 gls, Buenaventura; 1,000 gls, Guayaquil; 1,650 gls, Callao; 2,475 gls, Mollendo; 10,780 gls, Arica; 3,740 gls, Antofagasta; 20,570 gls, Valparaiso; 9,295 gls, Talcahuano; 4,125 gls, Platano, Porto Barrios; 1,925 gls, Ulua, Cartagena; (Kwanto) 5,985 gls, Yokohama; 2,100 gls, Osaka; 1,250 gls, Kobe; (Hokkai) 13,430 gls, Osaka; 23,935 gls, Kobe; 23,650 gls, Dairen; 1,100 gls, Taybank, Shanghai
PALE — 500 tons, Dordrecht, London and Avonmouth
PINE—11,826 lbs, Birmania, Fiume
SOYBEAN—(Peten) 4,502 lbs, Manzanillo; 4,515 lbs, Havana
SPINDLE—320 tons, Dordrecht, London and Avonmouth
TRANSFORMER — 11,000 gls, Silveryew, Hongkong
WORMSEED—812 lbs, American Farmer, London
PAINT—5,835 lbs, American Farmer, London; 3,087 lbs, Ponce, San Juan; 22,680 lbs, City of Winchester, Wellington; 6,789 lbs, Laila, Buenaventura; 4,263 lbs, Ulua, Porto Colombia; 16,500 lbs, Kwanto, Kobe; 13,021 lbs, West Selene, Santos; (Peten) 951 lbs, Calbarien; 6,561 lbs, Havana; 4,312 lbs, Harboe Jensen, Kingston
PREPARED—21,698 lbs, West Selene, Santos
THINNER—4,180 gls, Ingria, Oporto; 3,520 gls, Valparaiso; 1,325 gls, West Selene, Santos
PARAFFIN—226,201 lbs, American Farmer, London; 42,054 lbs, Birmania, Genoa; 10,101 lbs, Ingria, Trinidad; (Laila) 59,806 lbs, Guayaquil; 5,683 lbs, Pisco; 77,728 lbs, Ulua, Arica; 25,792 lbs, Harboe Jensen, Kingston
SCALE—61,021 lbs, Liberty, Manchester
PECTIN—285 lbs, West Selene, Santos
POTASH BICHROMATE—1,641 lbs, Ingria, Lisbon
RESIN, SYNTH—3,017 lbs, American Farmer, London
ROSIN—90,276 lbs, Laila, Valparaiso
SOAP—45,625 lbs, Ponce, Ponce
LAUNDRY—2,650 lbs, Ponce, Ponce; 5,890 lbs, Ulua, Belize
TOILET — 21,360 lbs, Silveryew, Manila; 51,300 lbs, Taybank, Manila
SODA ASH—15,015 lbs, Santa Clara, Buenaventura; (City of Winchester) 21,900 lbs, Auckland; 15,170 lbs, Wellington; 678,720 lbs, Hokkai, Osaka
BENZOATE—390 lbs, Ulua, Porto Colombia
BICARBONATE — 5,088 lbs, Laila, Buenaventura
BICHROMATE—1,363 lbs, Ingria, Lisbon; 11,400 lbs, Laila, Valparaiso
CAUSTIC—(Santa Clara) 13,750 lbs, Buenaventura; 30,810 lbs, Guayaquil; (City of Winchester) 11,050 lbs, Auckland; 8,250 lbs, Wellington; 21,494 lbs, Laila, Guayaquil; (Platano) 32,000 lbs, Santiago; 7,200 lbs, Porto Cortes; 3,600 lbs, Porto Barrios; 1,800 lbs, Ulua, Porto Colombia; (Kwanto) 220,440 lbs, Yokohama; 458,880 lbs, Osaka; 92,003 lbs, Dairen; 92,003 lbs, Hokkai, Dairen; 54,368 lbs, West Selene, Rio Janeiro; (Taybank) 34,400 lbs, Hongkong; 120,156 lbs, Shanghai
STARCH—2,600 lbs, Washington, Havre; 1,128 lbs, West Selene, Santos
CORN—57,375 lbs, American Farmer, London; (Ponce) 600 lbs, San Juan; 1,000 lbs, Ponce; 3,538 lbs, Jobos; (Silveryew) 604 lbs, Manila; 1,012 lbs, Hongkong; 2,005 lbs, Peten, Havana
TANNING EXTRACT—8,446 lbs, City of Winchester, New Plymouth
TETRA ETHYL LEAD—(City of Winchester) 7,045 lbs, Auckland; 3,016 lbs, Lyttleton
TURPENTINE—(City of Winchester) 2,200 gls, Auckland; 22,305 gls, Wellington; 5,350 gls, Lyttleton; 1,000 gls, Dunedin; (Laila) 1,200 gls, Callao; 1,500 gls, Valparaiso; 500 gls, Talcahuano; 2,500 gls, West Selene, Santos
WHITING—36,540 lbs, West Selene, Rio de Janeiro
WITCH HAZEL EXTRACT—4,956 lbs, Washington, Havre
ZINC SULPHATE—54,118 lbs, Northern Prince, Buenos Aires

Baltimore Exports

Clearance Dates

Artigas, August 23; Bencas, August 23; Black Condon, August 25; Borgfred, August 28; City of Newport News, August 26; Cold Harbor, August 28; Exermont, August 23; Kongsfjord, August 26; Manchester Exporter, August 26; Nagara, August 27; Robin Adair, August 26; San Simeon, August 27; Segundo, August 24; Skrim, August 30; Tai Yin, August 26; Tiradentes, August 20; Toledo, August 26

ACETATE—2,367 lbs, Segundo, Rio Janeiro
ACID, CHROMIC—2,200 lbs, Black Condor, Antwerp
ASPHALT—67,211 lbs, Cold Harbor, Manchester
BABASSU MEAL—91 tons, Black Condor, Rotterdam/Antwerp
CHEMICALS—8 lbs, Exermont, Marseille; 319 lbs, Manchester Exporter, Cork; (Robin Adair) 813 lbs, Capetown; 672 lbs, Port Elizabeth; 310 lbs, Cold Harbor, Dublin
SPECIALTY—40,000 lbs, Manchester Exporter, Manchester
CORN SUGAR—45,787 lbs, Niagara, Yokohama
DISINFECTANT—416 lbs, Borgfred, Puerto Reyes
GLUCOSE—41,501 lbs, Cold Harbor, Dublin
GREASE, LUBRICATING—2,500 lbs, Bencas, Porto Alegre; (Black Condor) 28,758 lbs, Hemixem; 6,913 lbs, Rotterdam; 15,137 lbs, Segundo, Santos; (San Simeon) 4,436 lbs, Cutuco; 3,140 lbs, Guatemala; 4,700 lbs, Satartia, Rio Janeiro; (Borgfred) 1,253 lbs, Puerto Reyes; 10,340 lbs, Maracaibo; 2,500 lbs, Caracas
GYPSUM—398 lbs, City of Newport News, London
INSECTICIDE—1,500 lbs, Segundo, Buenos Aires; 2 lbs, San Simeon, Heredia; (Borgfred) 660 lbs, Puerto Reyes; 263 lbs, Puerto Caballo; 590 lbs, Curacao
LEAD ARSENATE—12,250 lbs, Robin Adair, Capetown
OCHER, YELLOW—1,200 lbs, Tai Yin, Manilla
OIL, LINSEED—425 lbs, Borgfred, Puerto Reyes
LUBRICATING—6 bbls, Segundo, Santos; 497 bbls, Manchester Exporter, Liverpool; 5 bbls, Satartia, Rio Janeiro; 20,599 lbs, Borgfred, Puerto Reyes
OYSTER SHELLS, CRSHD—50 tons, Manchester Exporter, St John, N B
PAINT—2,852 lbs, Borgfred, Puerto Reyes
PALM-KERNEL CAKE—300 tons, Black Condor, Antwerp
MEAL—448,000 lbs, Tiradentes, Rotterdam; 48,000 lbs, Black Condor, Rotterdam

PARAFFIN—560,072 lbs, City of Newport News, Hamburg; 56,309 lbs, Cold Harbor, Glasgow
PETROLEUM—668 gls, Black Condor, Duffel
PORCELAIN ENAMEL FRIT—2,000 lbs, Black Condor, Antwerp
POTASH BICHROMATE—4,480 lbs, Bencas, Porto Alegro
MURIATE—(Robin Adair) 3,327 lbs, Beira; 17,982 lbs, Capetown
ROSIN, GUM—(Robin Adair) 237,380 lbs, Port Natal; 3,935 lbs, Capetown; 14,795 lbs, Johannesburg
SAND, PREPARED—1,100 lbs, City of Newport News, London
SODA, ALUMINATE—2,240 lbs, City of Newport News, London
CAUSTIC—400 lbs, Borgfred, Puerto Reyes
SILICATE—2,400 lbs, City of Newport News, Luton Beds
SILICOALUMINATE—10,500 lbs, City of Newport News, Luton Beds
SOLDER DROSS—233,711 lbs, Artigas, London
SUPERPHOSPHATE—600,780 lbs, Skrim, Halifax
TANNING EXTRACT—6,021 lbs, San Simeon, Valparaiso
TUCUM MEAL—224 tons, Black Condor, Rotterdam/Antwerp
TURPENTINE, GUM—(Robin Adair) 288 gls, Johannesburg; 2700 gls, Bloemfontun

Beaumont Exports
Clearance Dates

Davanger, August 19; El Grillo, August 24; Kellerwald, August 23; Lampas, August 22; Nyholt, August 23

OIL, LUBRICATING—1,800 dms, Kellerwald, Bremen-Hamburg
PETROLEUM, CRUDE—80,908 bbls, Davanger, Montreal; 57,148 bbls, Lampas, Venice; 93,160 bbls, Nyholt, Montreal; 80,000 bbls, El Grillo, Montreal

Boston Exports
Clearance Dates

Artigas, August 30; Coppename, August 25; Exeter, August 30; Kimikawa, September 4; Laconia, August 28; Lady Nelson, August 28; Maasdam, September 1; President Monroe, August 30; Saint John, August 27, 29, 31; Yarmouth, August 31; Zacapa, September 4

ALUMINA, OXIDE — 941 bgs, and 86 kgs, 120,718 lbs, Artigas, London
SULPHATE—500 bgs, 112,000 lbs, President Monroe, Hongkong
AMMONIA—5 cs, 90 lbs, Yarmouth, Halifax
ASBESTOS FIBRE—4,996 bgs, 499,600 lbs, Kimikawa, Kobe
BLEACHING POWDER—1 ctn, 60 lbs, Coppename, Fort Randolph, C Z
BLUE, LAUNDRY—2 cs, 120 lbs, Yarmouth, Halifax
CASEIN—5 crtns, 61 lbs, Yarmouth, Halifax
CEMENT, CAN—18 dms, 732 lbs, Laconia, Durban; 2 dms, 927 lbs, Artigas, Vigo
RUBBER—3 dms, 2 cs, 189 gls, Coppename, Havana; 7 bbls, 2,142 lbs, President Monroe, Manila
SHOE—4 bxs, 444 lbs, President Monroe, Manila
CLAY—568 bbls, 68 tons, Artigas, London
DEXTRIN—15 bgs, 2,500 lbs, Coppename, Havana
DIATOMACEOUS EARTH—2 bgs, 100 lbs, Artigas, London
DRESSING, LEATHER—4 cs, 137 lbs, President Monroe, Manila
OILBOARD—1 crt, 80 lbs, President Monroe, Manila
SHOE—6 cs, 327 lbs, Coppename, Havana
FERTILIZER, COCOA CAKE — 905 bgs, 129,900 lbs, Maasdam, Amsterdam
FLUX, SOLDERING— 2 dms, 260 lbs, Laconia, Estcourt; 20 dms, 2,600 lbs, Artigas, London
GLUE, FISH — (Artigas) 5 dms, 435 lbs, Prague; 10 bbls, 5,453 lbs, Artigas, London
MARINE—7 pkgs, 87 lbs, Yarmouth, Halifax
GLUESTOCK, HIDE CUTTINGS — 259 bgs, 29,580 lbs, Maasdam, Rotterdam
GREASE, LUBRICATING—4 dms, 2,025 lbs, Laconia, Liverpool; 13 pkgs, 550 lbs, Saint John, St John, N B
SOAP—4 bbls, 1,680 lbs, Coppename, Caibarien, Cuba
INK, WRITING—37 crtns, 193 lbs, Coppename, Havana; (President Monroe) 4 pkgs, Hilo; 4 pkgs, Honolulu
LINING COMPOUND—1 bx, 6 lbs, Artigas, London
MEDICINAL PREPS — 3 cs, 202 lbs, Coppename, Havana
MUCILAGE—24 crtns, 326 lbs, Coppename, Havana; 1 pkg, 20 lbs, Zacapa, Coco Solo, C Z
OIL—1 dm, 30 gls, Laconia, Liverpool
FISH, SULPHONATED—37 bbls, 15,862 lbs, Exeter, Marseilles
LUBRICATING—(Saint John) 11 dms, 7 pkgs, 12 bbls, St John, N B; 10 bbls, Charlottetown, P E I; 1 cs, 15 gls, Laconia, Liverpool
NEATSFOOT—1 bbl, 356 lbs, Artigas, Hamburg
PINETAR—1 dm, 50 gls, Saint John, St John, N B
PAINT—1 bx, Lady Nelson, Hamilton
PASTE, ADHES—15 pkgs, 637 lbs, President Monroe, Honolulu; 200 dms, 10,100 lbs, Artigas, London
LIBRARY—80 crtns, 611 lbs, Coppename, Havana
POLISH, SHOE—3 bbls, 3 dms, 2 cs, 523 lbs, Coppename Havana; 12 bxs, 544 lbs, President Monroe, Honolulu
SOAP, CREOSOTE—5 cs, 425 lbs, President Monroe, Singapore
POWDER—11 cs, 519 lbs, Coppename, Havana
TOILET—35 cs, 853 lbs, Coppename, Havana
SODA PHOSPHATE, TRI — 3 bbls, 975 lbs, Yarmouth, Yarmouth
SPONGES—1 bx, 18 lbs, Artigas, London
SULPHUR—110 bbls, 30,000 lbs, Saint John, St John, N B
TANNING EXTRACT—1 bbl, 467 lbs, Coppename, Caibarien
TOILET PREPS—1 cs, 54 lbs, Coppename, Havana
VARNISH—4 dms, 220 gls, Artigas, Hamburg
WAX, SEALING—1 cs, 55 lbs, President Monroe, Iloilo

Corpus Christi Exports
Clearance Date

Rhea, August 19

PETROLEUM, CRUDE — 84,691 bbls, Rhea, Dunkirk

Galveston Exports
Clearance Dates

Blommersdijk, August 25; Bockenheim, August 30; City of Omaha, August 31; Clunepark, August 30; Germanic, August 31; Louisiane, August 26; Monbaldo, August 27; West Ekonk, August 28

BISMUTH—291 bxs, Blommersdijk, London
BLACK, CARBON — 510 bgs, Blommersdijk, Antwerp; (Louisiane) 50 bgs, 5 cs, Havre; 15 cs, Antwerp; 1 ton, West Ekonk, Manchester; 600 bgs, Bockenheim, Bremen; 30 tons, City of Omaha, Havre; (Germanic) 50 cs, 7,500 bgs, Sydney; 6,700 bgs, Melbourne
CONCENTRATES—480 tons, West Ekonk, Liverpool
MOLYBDENITE—616 bbls, Blommersdijk, Antwerp; 616 bbls, Monbaldo, Marseilles
SULPHUR—1,322 bgs, Blommersdijk, London; 2,000 tons, Monbaldo, Sete; 1,500 tons, West Ekonk, Manchester; (Clunepark) 1,500 tons, St Johns; 3,920 tons, Campbellton; 2,000 tons, Germanic, Adelaide

Houston Exports
Clearance Dates

Aquarius, August 30; Blommersdijk, August 27; Bockenheim, August 28; Clara, August 27; Delaware, August 26; Havprins, August 25; Katendrecht, August 25; Louisiane, August 25; Monbaldo, August 30; San Amado, August 30; Waban, August 30

BLACK, CARBON — 150 tons, Louisiane, Havre; 15 tons, Delaware, Copenhagen; (Clara) 896 bgs, Trieste; 147 cs, Salonica via Trieste-Venice; (Blommersdijk) 49 tons, London; 68 tons, Antwerp-Ghent; (Bckenheim) 135 tons, Bremen; 10 tons, Hamburg; 50 cs, 1,500 bgs, Monbaldo, Genoa; (Waban) 90 cs, Genoa; 1,900 bgs, Trieste; (Aquarius) 800 bgs, Bremen; 1,800 bgs, Hamburg
COTTONSEED CAKE—500 tons, Aquarius, Hamburg
MEAL—50 tons, Louisiane, Antwerp; 200 tons, Aquarius, Rotterdam
GASOLINE—10,500 tons, San Amado, Havana-Curacao
OIL, LUBRICATING—1,400 tons, Katendrecht, United Kingdom; 60 bbls, Louisiane, Antwerp; 85 bbls, Delaware, Copenhagen; 65 bbls, Monbaldo, Genoa; 70 dms, Aquarius, Rotterdam
PETROLEUM, CRUDE—95,000 bbls, Havprins, Montreal
SULPHUR—1,000 bgs, Clara, Istanbul via Trieste-Venice

Lake Charles Exports
Clearance Date

Capsa, August 24

PETROLEUM, CRUDE—92,442 bbls, Capsa, Montreal

Los Angeles Exports
Clearance Dates

Annie Johnson, August 20; Argyll, August 22; Bokuyo, August 19; Damsterdyk, August 16; Kingsley, August 24; Kotoku, August 23; Laurito Swenson, August 23; Manoerorean, August 29; Mariposa, August 18; Melbourne, August 18; Modavia, August 25; Nippon, August 20; Nisshin, August 23; Pacific Enterprise, August 19; Pacific Exporter, August 23; President Coolidge, August 16; San Pedro, August 21; Tatekawa, August 25; West Ivis, August 19; Wyoming, August 21

ACID, BORIC—1,100 pkgs, 134,400 lbs, Laurits Swenson, London; 100 cks, 22,400 lbs, Damsterdyk, Southampton; 98 pkgs, 12,430 lbs, Mariposa, Melbourne; 600 sx, Pacific Enterprise, Vancouver; 500 bgs, 56,000 lbs, Pacific Exporter, Glasgow
ASPHALT—198 dms, 100,800 lbs, President Coolidge, Yokohama
BORATE—(Laurits Swenson) 6,694 bgs, 1,255,470 lbs, Glynia; 8,124 bgs, 1,390,750 lbs, London; 6,332 bgs, 1,189,540 lbs, Wyoming, Dunkirk; 2,440 bgs, 438,000 lbs, Damsterdyk, Southampton; 1,650 bgs, 378,710 lbs, Mariposa, Melbourne; 220 bgs, 21,450 lbs, Pacific Exporter, Glasgow
BORAX—3,500 bgs, 392,000 lbs, Laurits Swenson, London; 672 cs, 67,200 lbs, Manoerorean, Lourenco Marques; 100 bgs, 11,030 lbs, Bokuyo, Valparaiso; 2,400 bgs, 268,800 lbs, Annie Johnson, Hull; 580 bgs, 64,960 lbs, Mariposa, Melbourne; 100 bgs, 11,200 lbs, Pacific Exporter, Glasgow
FILM SCRAP—4,540 lbs, Laurits, Swenson, Rotterdam
GASOLINE—6,485 bbls, 1,692,590 lbs, Nippon, Tokuyama; 6,504 bbls, 1,697,540 lbs, Tatekawa, Tokuyama
INFUSORIAL EARTH—230 bgs, 22,400 lbs, Laurits Swenson, Bergen; (Damsterdyk) 582 bgs, 58,240 lbs, Southampton; 201 bgs, 20,160 lbs, Liverpool; (Pacific Exporter) 23 bgs, 2,240 lbs, London; 75 bgs, 7,840 lbs, Liverpool; 944 bgs, 89,600 lbs, Glasgow
LACQUER—1,180 lbs, President Coolidge, Bangkok
THINNER—290 lbs, President Coolidge, Bangkok
MINERAL SPTS—50 dms, 37,200 lbs, West Ivis, Buenos Aires
OIL, COTTONSEED—220 lbs, President Coolidge, Manila
DIESEL—9,291 bbls, 2,898,790 lbs, Kotoku, Osaka; 51,475 bbls, 16,060,200 lbs, Fosna, Osaka; 39,802 bbls, 12,418,220 lbs, Nisshin, Kobe
FUEL—23,111 bbls, 7,695,960 lbs, Argyll, Guayaquil; 27,444 bbls, 9,138,850 lbs, Fosna, Osaka; 90,765 bbls, 30,224,750 lbs, Nisshin, Kobe; 68,901 bbls, 22,944,030 lbs, San Pedro, Kobe
ORANGE—400 lbs, Mariposa, Prahran; 10,030 lbs, Pacific Exporter, London
PECTIN, CITROUS — (Mariposa) 150 lbs, Christchurch; 1,000 lbs, Melbourne; 3,000 lbs, Damsterdyk, Southampton
CITROUS, POWD—500 lbs, Pacific Exporter, London
PETROLEUM, CRUDE—79,928 bbls, 24,937,540 lbs, Nippon, Tokuyama
SCOURING COMP—2,850 lbs, President Coolidge, Hongkong
TALC—590 lbs, Mariposa, Suva
TOILET PREPS—150 lbs, Laurits Swenson, Dar Salaam; (Mariposa) 300 lbs, Dunedin; 120 lbs, Wellington

Mobile Exports
Clearance Date

Maravi, August 28

EARTH, FULLER'S—160 bgs, Maravi, Maracaibo

New Orleans Exports
Clearance Dates

Blommersdijk, August 30; Boschdijk, August 28; Elmsport, August 28; Katendrecht, August 21

ASPHALT—25 tons, Boschdijk, London
GILSONITE—18 tons, Boschdijk, London
BARK OF ROOT—1 ton, Boschdijk, London
BENZOL — (Katendrecht) 1,090 tons, Lands End; 4,286 tons, Rouen
BLACK, CARBON—(Boschdijk) 44 tons, London; 1 ton, Rotterdam; 143 tons, Elmsport, London; (Blommersdijk) 15 tons, London; 9 tons, Rotterdam; 1 ton, Amsterdam
COCOA WASTE—38 tons, Boschdijk, Amsterdam
CORN SYRUP—20 tons, Blommersdijk, London
COTTONSEED HULL SHAVING PULP — 10 tons, Boschdijk, London; 10 tons, Blommersdijk, Antwerp
DRUGS—4 ton, Elmsport, London
FIRECLAY—4 tons, Boschdijk, Antwerp
GREASE, PETROLEUM—20 tons, Blommersdijk, Antwerp
OIL, LUBRICATING — (Boschdijk) 39 tons, London; 38 tons, Rotterdam; 14 tons, Amsterdam; 80 tons, Elmsport, London; (Blommersdijk) 2 tons, Antwerp; 20 tons, Amsterdam
PARAFFIN—54 tons, Boschdijk, London; 101 tons, Blommersdijk, London
PHENOL—40 tons, Blommersdijk, Antwerp
ROOTS—14 tons, Elmsport, London
ROSIN—34 tons, Boschdijk, London; 26 tons, Blommersdijk, London
STARCH—15 tons, Boschdijk, Rotterdam
TULUOL—248 tons, Katendrecht, Antwerp

Philadelphia Exports
Clearance Dates

Belvedere, August 29; Black Condor, August 28; Black Hawk, August 31; Chincha, August 31; Gloucester City, September 1; Malaren, August 28; Polycarp, September 2; Sagaporack, August 25; Sandown Castle, August 30; San Vincente, August 31; Satartia, September 1; Scanyork, August 30; Segundo, August 26; Vincent, August 30; West Selene, August 28

ACID, PHOSPHORIC—16 bbls, Malaren, Stockholm
AMYL ACETATE—20 dms, West Selene, Rio de Janeiro
ASBESTOS, POWD—140 bbls, West Selene, Buenos Aires
ASPHALT—30 pls, West Selene, Buenos Aires
BARIUM METAL—1 bx, Black Hawk, Rotterdam
BENZOL—50 dms, Segundo, Buenos Aires
BLACK, BONE—50 bgs, Malaren, Stockholm; 42 bgs, Scanyork, Stockholm
BRAKE FLUID—1 ctn, Malaren, Stockholm
CEMENT, FIBER—3 dms, Black Condor, Amsterdam; 2 dms, Sagaporack, Copenhagen; 5 dms, Chincha, Valparaiso; 3 dms, West Selene, Santos
RUBBER—4 dms, Sagaporack, Copenhagen; 2 dms, Chincha, Valparaiso; 1 dm, West Selene, Santos
COALTAR INTERMEDIATES — (Malaren) 2 dms, 1 bx, 2 pls, Norrkoping; 1 dm, Gothenburg; (Black Hawk) 4 dms, Antwerp; 167 bbls, 22 dms, Rotterdam
COTTON LINTERS — 5 bls, Collamer, St Nazaire
DICHLORODIFLUOROMETHANE — 3 cyls, Malaren, Stockholm; 14 cyls, Black Hawk, Amsterdam
ETHYL FLUID—40 dms, Collamer, Bordeaux; (Black Hawk) 5 dms, Antwerp; 10 dms, Rotterdam
GASOLINE—(Segundo) 30 dms, 50 cs, Montevideo; 4,000 cs, Corumba; (Sandown Castle) 100 cs, Port Elizabeth; 100 cs, East London; 1,500 cs, Durban; 2,200 cs, Beira
GLUE, FLEXIBLE—15 bxs, Malaren, Eskilstuna
GREASE, LUBRICATING—25 cs, Segundo, Santos; (Malaren) 10 dms, Dramman; 17 dms, 2 bbls, 3 bxs, Stockholm; 11 bbls, Gothenburg; 10 dms, Helsingfors; (Sandown Castle) 100 bskts, 20 dms, Capetown; 20 dms, Port Elizabeth; 15 cs, 10 dms, East London; 10 cs, Durban; 15 cs, 10 dms, 40 bskts, Lourenco Marques; 10 bskts, 5 cs, Beira; 6 dms, Sagaporack, Copenhagen; 4 cs, 3 dms, San Vincente, Barranquilla; 18 pls, 4 dms, 6 kegs, 1 cs, Scanyork, Copenhagen; 7 cs, Polycarp, Para; 2 dms, 1 pl, Chincha, Valparaiso; 2 dms, 1 pl, West Selene, Santos
INK, PRINTING—2 bxs, Black Hawk, Antwerp
INSECTICIDE—1 dm, West Selene, Montevideo; 2 cs, Sandown Castle, Capetown; 6 ctns, San Vincente, Colon
KEROSENE—(Segundo) 200 dms, Asuncion; 2,000 cs, Corumba
LICORICE PASTE—(Malaren) 15 cs, Norrkoping; 10 cs, Malmo; (Sandown Castle) 5 cs, Capetown; 16 cs, Lourenco Marques; 50 dms, Black Hawk, Antwerp
LIGNIN LIQUOR—65 bbls, Gloucester City, Bristol
LINSEED MEAL—1,015 bgs, Black Hawk, Rotterdam
MINERAL SPTS—(Sandown Castle) 100 bbls, Capetown; 200 bbls, 40 cs, Durban; 50 bbls, 60 cs, Lourenco Marques; 10 cs, Beira; 2 cs, San Vincente, Heredia
NAPHTHA—70 dms, Segundo, Sao Paulo
OIL, FUEL—100 dms, Sandown Castle, Beira
ILLUMINATING—(Sandown Castle) 1,400 cs, Capetown; 100 cs, Port Elizabeth; 1,100 cs, East London; 3,700 cs, Durban; 1,000 cs, Beira
LUBRICATING—56 dms, 205 bbls, Collamer, Havre; 1,8 6 pkgs, 265 cs, 1 dm, Segundo, Santos; (Malaren) 129 dms, 10 cs, Draman; 213 pkgs, Norrkoping; 132 pkgs, Helsingborg; 455 pkgs, Malmo; 135 pkgs, Sundsvall; 61 pkgs, Helsinki; 1,324 pkgs, Gothenburg; 2,078 pkgs, 186 dms, 39 bxs, 25 bbls, 5 ctns, 1 crate, Stockholm; 140 dms, Belvedere, Genoa; (Sandown Castle) 206 dms, 115 cs, Capetown; 180 dms, 30 cs, Port Elizabeth; 230 dms, 40 cs, East London; 770 dms, 295 cs, Durban; 450 dms, 720 cs, Lourenco Marques; 20 dms, 70 cs, Beira; 7 dms, Black Condor, Amsterdam; 12 dms, Sagaporack, Copenhagen; (San Vincente) 29 cs, 6 dms, Barranquilla; 102 dms, Guayaqu'l; 2 dms, Heredia; (Satartia) 50 dms, Sao Paulo; 2 dms, Buenos Aires; 5 bbls, Gloucester City, Cardiff; 225 bbls, Scanyork, Copenhagen; (Black Hawk) 27 pkgs, Antwerp; 12 pkgs, 3 dms, Rotterdam; (Polycarp) 65 dms, 78 cs, 150 pkgs, Para; 230 pkgs, Ceara; 83 pkgs, Maranhao; 30 pkgs, Manaos; 15 dms, Chincha, Valparaiso; 8 dms, West Selene, Santos
NEATSFOOT—(Black Hawk) 43 bbls, Antwerp; 10 dms, Rotterdam
PRIMER—3 ctns, Malaren, Stockholm
SURFACER—4 kits, 8 ctns, Black Hawk, Antwerp
PAINT—1 cs, 4 dms, 15 kits, 137 ctns, Malaren, Stockholm; 35 pkgs, 7 dms, Black Condor, Amsterdam; 203 pls, 18 dms, Sagaporack, Copenhagen; 5 dms, 31 pls, 1 cs, Satartia, Buenos Aires; 74 dms, 96 kits, Black Hawk, Antwerp; 131 pls,
PAINT (Continued):—
Chincha, Valparaiso; 1 cs, 10 dms, 102 pls, West Selene, Santos
GLAZE—1 cs, Chincha, Valparaiso
THINNER—1 dm, Malaren, Stockholm
PARAFFIN—(Malaren) 830 bbls, Hornebors; 83 bbls, Stugsund; 102 bgs, Sandown Castle, East London; 153 bgs, 215 bbls, Gloucester City, Bristol
REFINED—30 bbls, Collamer, Havre
POLISH—26 ctns, Malaren, Stockholm; 30 ctns, San Vincente, Colon; 1 cs, 1 pl, Chincha, Valparaiso; 7 pls, 1 cs, West Selene, Santos
RESIN, SYNTH—1 dm, 1 cs, Segundo, Buenos Aires
RUBBING COMP—30 ctns, Black Hawk, Antwerp
SAND, FILTER—1,000 bgs, Belvedere, Genoa; 2,000 bgs, Gloucester City, Bristol
SODA CYANIDE—34 dms, Scanyork, Stockholm
TANNING MATERIAL—(West Selene) 10 dms, Montevideo; 15 bbls, Buenos Aires
VARNISH—22 ctns, 3 kits, Black Hawk, Antwerp
WAX, HIGH MELTING POINT—18 dms, Malaren, Stockholm

Port Arthur Exports
Clearance Dates

Frimaire, August 17; Gertrud, August 17; Magister, August 16; Strinda, August 20

ASPHALT — (Magister) 5 dms, Kingston; 64 bbls, 3 dms, 12 bxs, Para; (Gertrud) 20 cs, Sao Francisco; 10 cs, Paranagua
DRESSING, WAX, LIQ — 5 cs, Magister, Kingston
GASOLINE — (Magister) 2,000 cs, Maranhao; 4,000 cs, Parnahyba; 5,000 cs, Natal; 17,388 cs, Cabedello; 620 bbls, Kingston; 775 dms, 25 bbls, Para; 500 cs, Iquitos; (Gertrud) 8,600 cs, Bahia; 2,500 cs, Maceio; 8,500 cs, Sao Francisco; 6,000 cs, Paranagua
GREASE, LUBRICATING—(Magister) 23 cs, Maranhao; 4 cs, Natal; 3 dms, 52 cs, Cabedello; 53 dms, 260 cs, Kingston; 2 dms, 70 cs, Para; 10 cs, 2 bbls, Manaos; (Gertrud) 13 cs, 15 dms, Bahia; 263 cs, 5 dms, 5 kgs, Sao Francisco; 1,088 cs, 10 dms, 35 kgs, Paranagua
KEROSENE—(Magister) 6,000 cs, 75 bbls, Maranhao; 4,000 cs, Parnahyba; 5,000 cs, Natal; 15,000 cs, Cabedello; 2,050 cs, Kingston; 500 cs, Black River; 500 cs, Iquitos; (Gertrud) 13,600 cs, Bahia; 7,000 cs, Maceio; 2,500 cs, Sao Francisco; 1,500 cs, Paranagua
NAPHTHA—400 cs, Magister, Para; 15 cs, Gertrud, Sao Francisco
OIL, DIESEL—(Magister) 600 dms, Maranhao; 1,000 dms, 1,000 cs, Para; 400 dms, 4,000 cs, Manaos; 260 dms, Gertrud, Bahia
LUBRICATING — (Magister) 37 dms, 90 cs, Maranhao; 130 cs, Parnahyba; 12 cs, Natal; 9 dms, 20 cs, Cabedello; 305 dms, 625 cs, Kingston; 345 dms, 595 cs, Para; 10 dms, Iquitos; 144 dms, 759 cs, Manaos; (Gertrud) 416 dms, 15 cs, Bahia; 88 dms, 185 cs, Sao Francisco; 98 dms, 115 cs, Paranagua
PAINT—5 bbls, 10 cs, Magister, Kingston
PREPARED—2 dms, Magister, Kingston
PETROLEUM, CRUDE — 95,200 bbls, Frimaire, Bordeaux; 117,293 bbls, Strinda, Montreal
SOLVENT, CLEANING — 20 cs, Magister, Maranhao
WAX — (Magister) 10 cs, Maranhao; 13 cs, Kingston; (Gertrud) 100 cs, Sao Francisco; 40 cs, Paranagua

San Francisco Exports
Clearance Dates

Amerika, August 17; Annie Johnson, August 18; Antigua, August 20; Beranger, August 17; Gracia, August 20; Granville, August 17; Hoegh Merchant, August 17; John Bakke, August 17; President Coolidge, August 21; Santa Paula, August 19; Tacoma, August 18; West Ivis, August 17; Zuiyo, August 17

ABRASIVE CLOTH—1 cs, Hoegh Merchant, Philippine Islands
PAPER—(President Coolidge) 1 cs, Manila; 9 crts, 8 cs, Yokohama; 1 cs, Santa Paula, Ancon
ACETONE—62 dms, Tacoma, Stockholm
ACID, BORIC—40 kgs, Antigua, Barranquilla; 5 kgs, President Coolidge, Manila
MURIATIC—12 cbys, Santa Paula, San Jose de Guatemala; 3 cs, Hoegh Merchant, Philippine Islands
NITRIC—1 cs, Santa Paula, Cartagena
ALCOHOL—1 cs, President Coolidge, Yokohama
AMMONIA—4 cs, President Coolidge, Manila
ANHYDROUS—205 cyls, Hoegh Merchant, Netherlands East Indies
AMMONIAC, SAL—3 dms, Hoegh Merchant, Philippine Islands
APRICOT KERNELS—(Amerika) 330 sks, London; 50 cs, Malmo; (Beranger) 100 sks, Holland; 10 cs, Antwerp/Rotterdam; (Tacoma) 13 sks, Klaipeda; 25 sks, Hamburg; (Annie Johnson) 5 sks, Solvesburg; 150 sks, Copenhagen
ASPHALT—(Hoegh Merchant) 22 dms, Java; 482 dms, Netherlands East Indies; 161 dms, Straits Settlements; 3,255 dms, Batavia; (Granville) 6,538 dms, Batavia; 88 pls, Hongkong; (President Coolidge) 3 bbls, Haiphong; 27 dms, Saigon; 2,785 dms, Hongkong; 25 dms, Manila
GILSONITE—100 sks, Amerika, Copenhagen; 53 sks, John Bakke, England; 694 sks, Tacoma, Hamburg; 208 sks, President Coolidge, Yokohama
PREPARED—6 cs, Santa Paula, San Jose de Guatemala
SOLUTION—1 cs, Santa Paula, La Libertad
BIOLOGICALS—2 cs, Santa Paula, Barranquilla; 4 cs, President Coolidge, Manila
BLACK, CARBON—(Hoegh Merchant) 20 cs, Straits Settlements; 37 cs, Batavia; 4 cs, Granville, Batavia
BLUE, LAUNDRY—20 cs, President Coolidge, Manila
BOILER COMP—4 dms, President Coolidge, Manila
BORAX—40 kgs, Antigua, Barranquilla; 24 cs, 10 sks, President Coolidge, Manila
BRONZING LIQUID—1 cs, Santa Paula, La Libertad
BUTTERMILK, DRD—17 bbls, President Coolidge, Manila
CALCIMINE—10 dms, 5 kgs, President Coolidge, Manila
CALCIUM CARBIDE—1,000 dms, West Ivis, Buenos Aires
CARAWAY SEED—1 sk, Santa Paula, San Jose de Guatemala
CARBON—1 cs, President Coolidge, Hongkong
BISULPHIDE—14 dms, Hoegh Merchant, Philippine Islands
CHALK—4 cs, Hoegh Merchant, Netherlands East Indies
CHLORINE, LIQ—4 cyls, Granville, Hongkong
BLEACH, LIQ—13 cs, President Coolidge, Manila
CINNAMON—2 bls, Santa Paula, Guatemala

CLEANER—(President Coolidge) 2 cs, Hongkong; 1 cs, Manila
HOUSEHOLD—3 cs, President Coolidge, Manila
METAL—2 cs, Santa Paula, Panama
CLOVES—2 bls, Santa Paula, Cartagena
COALTAR—(Santa Paula) 1 dm, La Libertad; 7 cs, San Jose de Guatemala
COLOR, DRY—(Santa Paula) 35 cs, Barranquilla; 9 bbls, La Guayra; 6 kgs, 23 cs, 4 bbls, San Jose de Guatemala; 1 cs, President Coolidge, Kawit
FOOD—1 cs, President Coolidge, Manila
DENTRIFICES—12 cs, Hoegh Merchant, Samarang
DISINFECTANT—1 cs, Santa Paula, San Joe de Guatemala
DRESSING, AUTO TOP—1 cs, Santa Paula, La Libertad
DRUGS—(Hoegh Merchant) 7 cs, Java; 4 cs, Philippine Islands; 2 cs, Batavia; (President Coolidge) 8 cs, Shanghai; 18 cs, Hongkong; 162 cs, Manila; 1 cs, Cebu; 88 cs, Seoul
CRUDE—6 sks, President Coolidge, Hongkong
DYE, GASOLINE, BLUE—1 cs, Granville, Shanghai
ETHYL FLUID—12 dms, Granville, Shanghai
FERRITES—26 bbls, West Ivis, Buenos Aires
FERTILIZER—21 cs, 18 sks, President Coolidge, Manila
FILLER, PASTE—1 cs, Santa Paula, Panama
FILTER CLOTH—1 bl, President Coolidge, Manila
GINSENG—22 bbls, President Coolidge, Hongkong
GLASS, ROUGH—8 cs, President Coolidge, Manila
WINDOW—16 cs, President Coolidge, Manila
GLUE—1 bbl, Hoegh Merchant, Philippine Islands
GREASE, LUBRICATING—(Granville) 400 lbs, Batavia; 20 dms, Shanghai; 93 dms, Fremantle; (President Coolidge) 3 bbls, Saigon; 18 bbls, 2 pls, Hongkong; 1 cs, Hoegh Merchant, Sumatra
GYPSUM—1 kg, Santa Paula, San Jose de Guatemala
CALCINED—120 sks, President Coolidge, Manila
INK, PRINTING—11 kgs, Hoegh Merchant, Java; 30 dms, 4 cs, President Coolidge, Hongkong
WRITING — (President Coolidge) 2 bbls, Hongkong; 1 bbl, Shanghai
INSECTICIDE—(Santa Paula) 15 cs, San Jose de Guatemala; 2 cs, Cartagena; 4 cs, President Coolidge, Hongkong
LACQUER—13 cs, Granville, Shanghai; 39 cs, 9 dms, West Ivis, Bueons Aires; (Santa Paula) 6 cs, La Libertad; 16 cs, San Jose de Guatemala; 3 cs, Panama; 3 cs, Ancon; 1 cs, President Coolidge, Kawit
THINNER—(Santa Paula) 1 dm, La Libertad; 2 dms, San Jose de Guatemala; 5 pls, Panama; 16 cs, Ancon; 20 dms, President Coolidge, Yokohama
LARD SUBSTITUTE—225 tins, Santa Paula, Guayaquil
LEAD, COMPOUND—50 cs, President Coolidge, Manila
RED—8 kgs, Santa Paula, La Libertad; 25 dms, President Coolidge, Manila
LITHARGE—26 dms, President Coolidge, Manila
MANGANESE DIOXIDE—1 bbl, President Coolidge, Manila
MEDICINAL PREPS—(President Coolidge) 9 cs, Manila; 3 cs, Shanghai
METHYLENE CHLORIDE—1 dm, Tacoma, Hamburg
MILK POWDER—5 bbls, Hoegh Merchant, Philippine Islands; (President Coolidge) 222 bbls, Manila; 7 crts, Yokohama
NUTMEGS—(Santa Paula) 4 sks, Cartagena; 2 sks, La Libertad; 2 sks, San Jose de Guatemala; 4 sks, Cartagena
OIL—11 cs, Santa Paula, Cartagena
CHINAWOOD—153 dms, West Ivis, Buenos Aires
COCONUT—15 dms, Santa Paula, San Jose de Guatemala
CYLENDER—3,347 bbls, Granville, Shanghai; 5 dms, President Coolidge, Hongkong
DIESEL—(Zuiyo) 35,080 bbls, Shimonoseki; 22,451 bbls, Ofunato; 94 214 gallons and 2,511 bbls, Granville, Shanghai
FISH, HARD—(Santa Paula) 25 bls, Panama; 1 cs, San Jose de Guatemala; 455 sks, Guayaquil
FUEL—8,660 bbls, Zuiyo, Kawasaki; 1 cs, Granville, Hongkong
LUBRICATING—290 dms, Beranger, Holland; (Hoegh Merchant) 49 dms, Sumatra; 10 dms, Samarang; 192 dms, Ceylon; 424 dms, 1 cs, India; 115 dms, Belawan; 1,371 dms, 1 cs, Java; 575 dms, Straits Settlements; 66 dms, Batavia; (Granville) 750 dms, Bangkok; 36 dms, Menado; 68 dms, Palembang; 50 dms, 7 cs, Batavia; 68 dms, Medan; 16 dms, Samarang; 8 dms, Sourabaya; 215 dms, Hongkong; 10,435 bbls, Shanghai; 85 dms, 2,500 cs, Shanghai; 430 dms, Fremantle; 24 dms, Sibolga; 14 dms, Santa Paula, La Libertad; 4 cs, Gracia, London; (President Coolidge) 100 dms, Moji; 200 dms, Yokohama; 150 dms, 50 cs, Kobe; 65 dms, Saigon; 179 dms, 2 cs, Hongkong
MIXING—2 cs, Santa Paula, San Jose de Guatemala
REINFORCING—1 dm, Santa Paula, La Libertad
OXYGEN—8 cyls, Antigua, Puerto Armuelles
PAINT—12 pls, Hoegh Merchant, Batavia; 12 kegs, West Ivis, Buenos Aires; (Santa Paula) 5 pls, 10 cs, Barranquilla; 13 cs, La Libertad; 142 cs, 2 kegs, San Jose de Guatemala; 1 pl, 1 cs, Curacao; 5 pls, Huanuni; 13 pkgs, Calao; 4 cs, Ancon; 2 pls, 12 pkgs, Pisco; (President Coolidge) 60 pls, Shanghai; 1 cs, Hongkong; 5 cs, Bankok; 20 kegs, 81 cs, Manila
ENAMEL—15 cs, West Ivis, Buenos Aires; (Santa Paula) 1 cs, Cartagena; 8 cs, San Jose de Guatemala; 2 cs, Panama
MARINE—40 dms, President Coolidge, Hongkong
PASTE—5 cs, West Ivis, Buenos Aires
PREPARED—1 cs, 5 kegs, Santa Paula, San Jose de Guatemala
REMOVER—4 cs, Santa Paula, San Jose de Guatemala
THINNER—5 bbls, Santa Paula, Callao; 2 pls, Santa Paula, Panama
PEPPER, BLACK—9 sks, Santa Paula, Guatemala
PETROLEUM—(Hoegh Merchant) 20 cs, Philippine Islands; 10 cs, Straits Settlements; 30 bbls, Granville, Bangkok
DISTILLATE—30 dms, Granville, Honkgong
REFINED—2 cs, President Coolidge, Hongkong
POLISH, FLOOR—4 cs, President Coolidge, Manila
METAL—(Granville) 32 pkgs, Hongkong; 200 pkgs, Shanghai; 10 cs, President Coolidge, Manila
SHOE—9 cs, President Coolidge, Manila
SILICATE—13 cs, President Coolidge, Manila
PUTTY—2 cs, 3 kegs, Santa Paula, San Jose de Guatemala; 4 dms, 4 kegs, 16 cs, President Coolidge, Manila
RAPESEED—10 sks, President Coolidge, Shanghai
SHELLAC, DRY—(Santa Paula) 1 sk, La Libertad; 2 sks, San Jose de Guatemala
SOAP—(President Coolidge) 8 cs, Manila; 5 cs, Hongkong
POWDER—7 cs, President Coolidge, Hongkong
TOILET—1 cs, President Coolidge, Hongkong
SODA—15 cs, President Coolidge, Bangkok
ASH—5 bbls, President Coolidge, Manila
BICARBONATE—1,120 sks, Santa Paula, Mazatlan
SILICATE—667 sks, President Coolidge, Manila
SOLDER FLUX—1 dm, Hoegh Merchant, Philippine Islands
SOLVENT, DRAIN—(President Coolidge) 3 cs, Hongkong; 12 cs, Manila
PAINT—10 bbls, Hoegh Merchant, Straits Settlements
SULPHUR—20 sks, Hoegh Merchant, Philippine Islands; 10 sks, President Coolidge, Manila
DIOXIDE, LIQ—(President Coolidge) 2 cyls, Manila; 2 cyls, Cebu
REFINED—110 sks, Hoegh Merchant, Netherlands, East Indies
TALLOW—(Santa Paula) 114 dms, Guayaquil; 135 dms, Havana
TAPIOCA—(Santa Paula) 25 sks, Mazatlan; 1 sk, Guatemala
TOILET PREPS—58 pkgs, Hoegh Merchant, Java; (President Coolidge) 3 cs, Rizal; 1 cs, Tokyo; 12 cs, Manila; 3 cs, Hongkong; 1 cs, Santa Paula, Guatemala City
TREE WASH—40 cs, West Ives, Buenos Aires
TURPENTINE—2 dms, Hoegh Merchant, Philippine Islands
VARNISH—3 cs, West Ivis, Buenos Aires; 5 cs, 1 dm, Santa Paula, San Jose de Guatemala
WATER, MINERAL—400 cs, President Coolidge, Manila
WAX—6 cs, Santa Paula, San Jose de Guatemala; 8 bbls, President Coolidge, Manila
WOOD PRESERVATIVE—(Santa Paula) 2 cs, La Libertad; 2 dms, 5 cs, San Jose de Guatemala
ZINC HYDROSULPHATE—56 dms, Annie Johnson, Stockholm
OXIDE—1 dm, President Coolidge, Manila

Savannah Exports

Clearance Dates

Flour Spar, August 25; Port Denison, August 28; Tulsa, August 28; Uddeholm, August 27

CLAY—1,200 sx, Schoharie, Liverpool; 2,520 bgs, Tulsa, Manchester; 2,014 tons, Ulva
COTTON LINTERS—147 bls, Tulsa, Hamburg
DEER TONGUE LEAVES—86 bls, Tulsa, Antwerp
FULLER'S EARTH — 324 bgs, Uddeholm, Gdynia
OIL, PINE—(Port Denison) 32 dms, Sydney; 5 dms, Melbourne; 6 dms, Adelaide
ROSIN—6 dms, Uddeholm, Oslo
ROSIN, GUM—(Flour Spar) 350 bbls, 100 dms, London; 410 bbls, Antwerp; 250 bbls, Rotterdam; (Uddeholm) 556 bbls, Oslo; 385 bbls, Stavanger; 815 bbls, Gothenberg; 26 bbls, Stockholm; 13 bbls, Copenhagen; 301 bbls, Gdynia; 175 bbls, Abo; 150 bbls, Kotka; 515 bbls, Wiborg; 235 bbls, Riga; (Port Denison) 157 bbls, Brisbane; 1,828 bbls, Sydney; 1,711 bbls, Melbourne; 35 bbls, Fremantle; 183 bbls, Adelaide; (Schoharie) 370 bbls, Liverpool; 1,995 lbs, Hamburg; 230 bbls, Czechoslovakia; (Tulsa) 980 bbls, Manchester; 330 bbls, Glasgow
WOOD—25 bbls, Port Denison, Sydney
TURPENTINE, GUM—(Flour Spar) 1,066 bbls, London; 1,820 bbls, Antwerp; 905 bbls, 229 dms, Rotterdam; (Uddeholm) 10 dms, 5 bbls, Oslo; 75 bbls, 112 dms, Gothenburg; 275 bbls, Copenhagen; 10 dms, Memel; (Port Denison) 91 dms, 525 cs, Brisbane; 447 dms, 1,715 cs, 175 pls, Sydney; 220 cs, 70 pls, 19 dms, Wellington; 10 cs, 10 pls, Napier; 10 cs, 1 dm, Lyttelton; 401 dms, 1,120 cs, 37 pls, Melbourne; 155 cs, 5 dms, Fremantle; 70 cs, 15 dms, Dunedin; 133 dms, 270 cs, Adelaide; (Schoharie) 575 bbls, Liverpool; 50 bbls, Hamburg; 50 bbls, Prague; 160 bbls, Tulsa, Manchester
WOOD—(Port Denison) 425 pls, Brisbane; 126 dms, 475 pls, Melbourne; 40 pls, 1 dm, Fremantle; 16 dms, 150 pls, Adelaide

Tampa Exports

Clearance Dates

Alberta, August 31; Eglantine, August 23; Goldfield, August 28; Havilland, August 28; Waban, August 23; Ziroma, August 27

BAKING POWDER—15 cs, Goldfield, Georgetown
DRUGS—5 cs, Goldfield, Georgetown
ETHER GAS—1 tank, Goldfield, Georgetown
GASOLINE—68 dms, Goldfield, Georgetown
KEROSENE—33 dms, Goldfield, Georgetown
OIL, LUBRICATENG—1 can, Goldfield, Georgetown
PHOSPHATE—8,290 tons, Havilland, Osaka; (Alberta) 2,171 tons, Venice; 2,999 tons, Fiume; 3,001 tons, Waban, Genoa; 3,300 tons, Eglantine, Fernis
PRESERVER, WOOD—1 dm, Ziroma, Nueva Gerona

Coastwise Shipments

Corpus Christi Coast Trade

GASOLINE—76,880 bbls, George G Henry, Baytown; 77,753 bbls, S M Spalding, Baytown; 81,268 bbls, Frederic R Kellogg, Baytown
OIL, FUEL—3,941 bbls, S M Spalding, Baytown
PETROLEUM, CRUDE—30,255 bbls, Federal, Houston; 71,156 bbls, Dungannon, Port Arthur; 52,888 bbls, Ruth Kellogg, Baytown; 46,938 bbls, Thermo, Texas City; 56,580 bbls, Paco, Texas City; 75,264 bbls, W W Mills, Smiths Bluff; 148,592 bbls, Wm Rockefeller, Baytown; 78,964 bbls, Malacca, Baytown; 66,052 bbls, Franklin K Lane, Baytown

Los Angeles Coast Trade

GASOLINE—7,161 bbls, Emidio, Seattle; 10,401 bbls, Tejon, Portland; 4,819 bbls, S & C No. 41, San Diego; 68,652 bbls, Deroche; Oleum; 71,229 bbls, Mojave, San Francisco; 63,000 bbls, Hagan, Seattle; 70,255 bbls, District of Columbia, Seattle; 37,800 bbls, Baldbutte, Seattle; 51,126 bbls, Torres, San Francisco; 5,376 bbls, S & C No 2, San Diego; 55,550 bbls, Arizona, San Francisco
KEROSENE—12,552 bbls, Warwick, Oleum
OIL, DIESEL—5,527 bbls, Tejon, Portland; 16,000 bbls, Hagan, Seattle; 18,800 bbls, Baldbutte, Seattle
FUEL—60,281 bbls, Emidio, Seattle; 53,636 bbls, Tejon, Portland; 5,604 bbls, Deroche, Oleum; 52,000 bbls, Brazos, Bremerton; 45,189 bbls, Brandywine, Seattle; 2,362 bbls, Coast Banker, Seattle; 55,925 bbls, Richmond, Seattle; 9,483 bbls, Texada, Seattle
FURNACE—3,613 bbls, Mojave, San Francisco
SOLVENT, CLEANING—4,351 bbls, Deroche, Oleum

San Francisco Coast Trade

ACID, BORIC—300 sks, Peter Helms, Seattle
APRICOT KERNELS—1,065 sks, American, New York
622 sks, Nebraskan, New York
ASPHALT—100 dms, Peter Helms, Seattle
CASEIN—13 tons, American, New York
22 tons, Nebraskan, Boston
CEMENT, FLOOR COVERING—8 tons, American, New York
CHARCOAL—3,500 sks, Dorothy Wintermote, Tacoma
CHLORINE BLEACH, LIQUID—600 cs, Peter Helms, Seattle
925 cs, Dorothy Wintermote, Seattle
10,000 cs, Point Estero, New Orleans
CLAY, CALC—23 tons, American, New York
CLEANING COMP—3 cs, Missourian, Seattle
CREAM TARTAR—1 bbl, Missourian, Seattle
DIBUTYL PHTHALATE—1 dm, Point Estero, New Orleans
DRUGS—232 cs, Missourian Seattle
179 cs, Missourian, Tacoma
FIG PASTE—300 cs, Dorothy Wintermote, Seattle
GLUE, DRY—330 sks, Santa Paula, New York
225 sks, American, Boston
14 tons, Jacob Luckenbach, New Orleans
1 sk, Missourian, Seattle
GREASE, LUBRICATING—2 dms, Missourian, Seattle
HYDROGEN PEROXIDE—10 crbys, 9 cs, Missourian, Seattle
LACQUER THINNER — 1 dm, Missourian, Seattle
LIME—1,200 sks, Peter Helms, Seattle
MEDICINAL PREP'S — 94 cs, Missourian, Seattle
39 cs, Missourian, Tacoma
MILK POWDER—17 tons, San Gabriel, Baltimore
20 tons, Jacob Luckenbach, New Orleans
20 tons, Nebraskan, New York
25 tons, Nebraskan, Port Newark
25 tons, Nebraskan, Philadelphia
25 tons, Nebraskan, Boston
MINERALS—400 sks, Charles L Wheeler, Jr, Portland, Ore
MUCILAGE—3 cs, Missourian, Tacoma
OIL—112 tons, Celilo, Los Angeles
LUBRICATING—312 cs, 42 dms, Missourian, Tacoma
OLIVE—2 dms, Missourian, Tacoma
PAINT—632 pkgs, Peter Helms, Tacoma
26 cs, Missourian, Seattle
IN OIL—6 kgs, 12 cs, Missourian, Seattle
POLISHING COMP—1 kg, Missourian, Seattle
PRUNE CONCENTRATE—7 tons, American, Port Newark
RESIN, SYNTHETIC — 1 dm, Missourian, Seattle
RICE BRAN—60 tons, Celilo, Los Angeles
SALT—720 sks, Peter Helms, Seattle
1,280 sks, Charles L Wheeler, Jr, Portland, Ore
3,355 pkgs, W R Chamberlin, Jr, Portland, Ore
1,149 pkgs, Dorothy Wintermote, Tacoma
SOAP—925 pkgs, Peter Helms, Seattle
1,487 cs, F J Luckenbach, Portland, Ore
696 cs, Susan V Luckenbach, Portland, Ore
LIQUID—8 cs, Missourian, Seattle
SODA HYPOCHLORITE — 88 tons, Lillian Luckenbach, Boston
438 tons, Jacob Luckenbach, New Orleans
SILICATE—400 sks, Peter Helms, Tacoma
40 dms, W R Chamberlin, Jr, Portland, Ore
200 sks, Missourian, Seattle
SUNFLOWER SEED—41 tons, Jacob Luckenbach, New Orleans
TANKAGE—90 tons, American, Port Newark
TENSION REMOVER — 10 pls, Missourian, Seattle
VARNISH—3 dms, Missourian, Seattle
WEED KILLING COMPOUND—130 dms, W R Chamberlin, Portland, Ore
ZINC OXIDE—100 sks, Missourian, Tacoma

Cargo Ship Arrivals

September 4 to September 17

New York

American	Seattle*	Sept 10
American Merchant	London	Sept 13
American Shipper	Manchester*	Sept 7
American Trader	London	Sept 7
Anniston City	Honolulu*	Sept 12
Argosy	Gothenburg*	Sept 9
Atlantida	La Ceiba	Sept 10
Azumasan	Singapore*	Sept 11
Baghdad	Hamburg	Sept 8
Bajamar	London*	Sept 15
Barbarigo	Trieste*	Sept 14
Black Falcon	Antwerp*	Sept 7
Black Heron	Antwerp*	Sept 10
Black Tern	Antwerp*	Sept 16
Calamares	Santa Marta*	Sept 8
Caledonia	Glasgow*	Sept 13
Canadian Challenger	Auckland*	Sept 10
Caracas	Curacao*	Sept 13
City of Delhi	Sydney	Sept 16
City of Hankow	Calcutta*	Sept 8
City of Rayville	Adelaide*	Sept 16
Clan McBean	Beira*	Sept 14
Cliffwood	Buenos Aires*	Sept 10
Conte di Savoia	Genoa*	Sept 9
Curaca	Chanaral*	Sept 14
Edam	Rotterdam*	Sept 7
Cypria	Marseilles	Sept 15
Eastern Prince	Buenos Aires*	Sept 15
Edwin Christenson	Aberdeen*	Sept 15
Everett	Seattle*	Sept 11
Examiner	Tangier*	Sept 13
Excambion	Beirut*	Sept 15
Extavia	Piraeus*	Sept 15
Fernlane	Naples*	Sept 15
Forbes Hauptman	Seattle*	Sept 10
Fort Amherst	St Pierre*	Sept 16
Fort Townshead	St Pierre*	Sept 9
Frida	Callao*	Sept 7
Gerolstein	Antwerp	Sept 9
Glaucus	Batavia*	Sept 9
Golden Cloud	Honolulu*	Sept 8
Hammaren	Gothenburg*	Sept 15
Ida	Fiume*	Sept 14
Ile de France	Havre*	Sept 9
Jean Jadot	Antwerp	Sept 10
Katsuragi	Manila*	Sept 15
Kentuckian	Longview*	Sept 9
Kinai	Manila*	Sept 10
Kota Tandi	Macassar*	Sept 14
Kungsholm	Gothenburg*	Sept 10
Liberty Glo	Seattle*	Sept 10
Lillian Luckenbach	Portland*	Sept 8
Maidan	Calcutta*	Sept 14
Martinique	Aux Cayes*	Sept 11
McKeesport	Liverpool*	Sept 8
Minerva	Port Alberne*	Sept 14
Mobile City	Honolulu*	Sept 14
Montanan	Seattle*	Sept 15
Nebraskan	Tacoma*	Sept 13
Niel Maersk	Manila*	Sept 12
Norden	Yokohama*	Sept 12
Normandie	Havre*	Sept 13
Paraguayo	Montevideo*	Sept 12
Petrn	Port Limon*	Sept 12
Pilsudski	Gdynia*	Sept 12
Platano	Puerto Barrios*	Sept 9
President Adams	Manila*	Sept 7
President Harding	Hamburg*	Sept 11
Raby Castle	Yawata*	Sept 8
Robert Luckenbach	Astoria*	Sept 15
Robin Goodfellow	Mombasa*	Sept 10
San Rafael	Portland*	Sept 10
Santa Maria	San Antonio*	Sept 13
Santa Paula	San Francisco*	Sept 7
Scanmail	Gothenburg*	Sept 7
Schodack	Havre	Sept 12
Spaarndam	Rotterdam	Sept 11
Steel Worker	Kannapali*	Sept 10
Swinburne	Buenos Aires*	Sept 12
Utsire	Casablanca*	Sept 9
Veendam	Rotterdam*	Sept 13
Virginia	San Francisco*	Sept 13
Vulcania	Trieste*	Sept 16
Washington	Hamburg*	Sept 16
West Humhaw	Freetown*	Sept 10
Westernland	Antwerp*	Sept 14
Western World	Buenos Aires*	Sept 9
Yucatan	Vera Cruz*	Sept 7

* And other ports

Recent Charters

COTTONSEED—388,000 cubic feet, S S ——, Alexandria to London, 21s per 60 cubic feet; September 15-30
MANGANESE ORE—8,000 tons, S S ——, Vizagapatam to Dunkirk, 38s 3d; September
6,500 tons, S S Baron, Vizagapatam to Calais, 37s 3d; September
ORE—7,500 tons, S S Hoegh Carrier, Colachel to United States
8,000 tons, S S ——, Poti to Baltimore, 24s; September 15-30
—— tons, S S King Edgar, Colachel to New Orleans, 45s; September-October
PETROLEUM—8,500 tons, S S Genoano, dirty, Aruba to Italy, four voyages, 24s: October
9,000 tons, S S Vilja, dirty, California to Japan, 33s 6d; October
9,000 tons, S S Americano, Haifa to Antwerp, 17s; September
75,000 bbls, S S E L Shea, Gulf to North Hatteras, gasoline, 33c; kerosene, 34c; No 2 heating oil, 35c; casinghead, 36c; September
10,000 tons, S S Clydefield, dirty, Aruba to United Kingdom, Continent, 21s 6d; October
9,000 tons, S S Winnetou, gas oil, Gulf to Continent, 27s 6d; September-October
8,800 tons, S S Daghestan, dirty, Aruba to United Kingdom, Continent, 21s 6d; October
10,000 tons, S S Laristan, dirty, Aruba to United Kingdom, Continent, 21s 6d; October
10,000 tons, S S Bjonn, six months Far East trade, 9s 9d, delivery Japan; September
—— tons, S S Munster Wedel, clean, Aruba to United Kingdom, 22s 6d; if loaded at Gulf, 26s 6d; October
76,000 tons, S S Heina, delivery Japan or Dalny, redelivery Newcastle, Port Pirie range, 10s 6d; September-October
10,000 tons, S S Beth, dirty, Aruba to United Kingdom, Continent, 21s 6d; October
3,124 tons, S S Carlton, North Atlantic, Mediterranean trade, round trip; September
14,500 tons, S S Regulus, dirty, California to Japan, four trips, 30s; November
—— tons, S S ——, Gulf to North Hatteras, gas oil, 33c; kerosene, 35c, and No 2 heating oil, 35c; September
8,000 tons, S S Beaumont, clean, Gulf to United Kingdom, Continent, 26s 9d; October
—— tons, S S ——, furnace oil, Gulf to North Hatteras, 35c; September
10,000 tons, S S Ina, dirty, Aruba to United Kingdom, Continent, 21s 6d; October
8,000 tons, S S Max Albrecht, dirty, Aruba to United Kingdom, Continent, 21s 6d; Gulf, 26s 6d; October
11,50C tons, S S Noreg, dirty, Aruba to United Kingdom, Continent, 21s 6d; October
9,000 tons, S S Gylfe, dirty, Aruba to United Kingdom, Continent, 21s 6d; October
PHOSPHATE—4,000 tons, S S ——, Sfax or Susa to Dunkirk, 14s; prompt
SALT—7,500 tons, S S Hilton, Aden to Japan, 24s 6d; September
SOYBEAN—7,500 tons, S S Lapland, Dairen to Rotterdam, Hamburg, 47s; September

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drugs act or did not comply with other customs regulations included the following articles for the reasons stated:—

New York

Week Ended September 8

Aloe, 300 cases; excessive moisture and alcohol insoluble residue.
Balsam, 7 cases; restricted use.
Cassia oil, 15 drums; not U.S.P.
Chlorophyl, 8 cases; restricted use.
Codliver oil emulsion, 20 tins; not U.S.P.
Eucalyptus oil, 10 drums; restricted use.
Gentian root, 56 bales; excessive moisture.
Gum, benzoin, 50 cases; U.S.P. test for rosin positive; deficient in alcohol soluble extractive.
Lemon barley water, 10 cases; no quantity of contents statement; sulfur dioxide not declared.
Pharmaceutical preparation, 24 packages; deficient in emetine hydrochloride.
Medicinal preparation, 27 packages; false therapeutic claims.
Mineral water, 1 case; false therapeutic claims.
Nutmegs, shrivelled, 32 cases; moldy.
Nutmegs, technical, 893 bags; restricted use.
Orange flower water, 5 futs; excessive non volatile residue.
Pollack liver oil, 70 drums; restricted use.
Rose water, 50 carboys; excessive non volatile residue.

Atlanta

Week Ended September 8

Medicinal preparation, 1 package; false and misleading statements.

Buffalo

Week Ended September 8

Medicinal preparation, 5 packages; false therapeutic claims.

San Francisco

Week ended September 2

Nutmegs, 7 cases; decomposed.

Oils, Fats and Waxes

Fats and Greases

(Continued from page 41)

TALLOWS (tierces).—Edible, 7¾c. to 8c. per pound; prime, 7½c. to 7¾c.; fancy, 7¼c. to 7½c.; special, 6⅞c. to 7c.; No. 1, 6¾c. to 7c.

GREASES (tierces).—Choice white, 8¼c. to 8½c. per pound; A white, 7¼c. to 7½c.; B white, 7c. to 7¼c.; yellow, 10-16, 6½c. to 6¾c.; yellow, 16-20, 6⅜c. to 6½c.; brown, 6c. to 6¼c.

STEARINS (barrels).—Prime oleo, 8½c. to 8¾c. per pound; lard, packages, 12½c. to 12¾c.; A white grease, 7½c. to 7¾c.; yellow grease, 6¾c. to 7c.; extra oleo stocks, 12¼c. to 12½c.; No. 2 stocks, 11½c. to 12c.

Liverpool, Sept. 10.—Quotations per cwt. on refined American lard were as follows:—

	Spot.	Sept.	Oct.	Jan.
	s. d.	s. d.	s. d.	s. d.
Saturday	62 6	56 3	56 0	55 9
Monday	62 6	56 6	56 3	55 9
Tuesday	62 6	56 6	56 6	55 9
Wednesday	63 0	56 9	56 6	55 9
Thursday	62 6	55 3	55 0	54 6
Friday	63 0	55 3	55 0	54 9

Liverpool, Sept. 10.—Quotations per cwt. on tallow were as follows:—

	Choice.	Fine, good mixed.
	s. d.	s. d.
Saturday	23 9	23 9
Monday	23 3	23 3
Tuesday	23 3	23 3
Wednesday	22 9	23 0
Thursday	22 6	23 0
Friday	22 6	23 3

Fatty Acids

Red Oil.—Quotations were maintained at previous figures by producers and the tone of the market appeared to be steady. There was a fair demand though consumers showed little disposition to purchase in advance of current needs.

Stearic Acid.—The market had a steady tone, selling schedules being held by makers at the levels ruling in the previous week. Business lacked snap but there was a fair demand from local and other consumers.

Markets at Other Centers

Chicago, Sept. 10.—The fatty acids market has pursued rather irregular and mixed trends recently. Most purchases continue to indicate that buyers are in a conservative frame of mind.

FATTY ACIDS.—Corn oil, double distilled, 7½c. to 8c. per pound, tankcar; 8c. to 8½c., barrels, car lots; 8½c. to 9c., barrels, less than car lots; coconut oil, acidulated, 8¼c. to 8½c. per pound, tankcar, mostly nominal; 8¾c. to 9c., barrels, car lots; 9¼c. to 9½c.; barrels, less than car lots; cottonseed oil, double distilled, 7½c. to 7¾c. per pound, tankcar; 8c. to 8¼c., barrels, car lots; 8½c. to 8¾c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3⅜c. to 3⅝c.; boiled down soap stock, 65 percent basis, 4⅜c. to 4⅝c.; cottonseed foots, 50 percent basis, 1⅞c. to 2c.

Waxes

Bees.—A steady market prevailed on the spot. Stocks of bleached and refined wax were in fair shape, production during the Summer months having provided very well for the manufacturing requirements of buyers during the months to come. Quotations on crude wax remained steady at the limits reached by declines during the previous trading period.

Candelilla.—A quiet market in which prices were reasonably steady was reported on spot last week. Sellers maintained values very well, being not disposed to accept many orders submitted at less than current quotations. Demand was narrow.

Carnauba.—Spot values appeared to be somewhat steadier; at least, values were not reduced further. Some importers reported that the primary market was somewhat easier and these expected that prices locally might decline further. Demand was reported to be not very active. The principal buyers were aloof from the market and hence transactions were confined to business with smaller manufacturing consumers.

Japan.—The market was firm at the recent advance on spot, this being in keeping with the higher quotations developed of late in the primary market. As to demand here, it was light and generally irregular much of the time last week.

W. F. Leary, manager of the wax department of William Allison & Co., this city, has returned to his desk after two weeks spent in motoring through the New England states.

Dividends Reported Since Last Publication

	Stock.	Class.	Amount.	Payable.	Of record.
Abbott Laboratories, Inc.	Com.	Q.	40c.	Sept. 30	Sept. 14
Abbott Laboratories, Inc.	Com.	Ext.	10c.	Sept. 30	Sept. 14
Allied Laboratories, Inc.	Com.	Q.	15c.	Oct. 1	Sept. 15
Allied Products Corp.	Cl. A	Q.	43¾c.	Oct. 1	Sept. 10
American Cyanamid Co.	Cl. A	Q.	15c.	Oct. 1	Sept. 15
American Cyanamid Co.	Cl. B	Q.	15c.	Oct. 1	Sept. 15
Ashland Oil & Refining Co.	Com.	Q.	10c.	Sept. 30	Sept. 20
Ashland Oil & Refining Co.	Pfd.	Q.	$1.25	Sept. 15	Sept. 14
Borne-Scrymser Co.	.....	..	75c.	Oct. 15	Sept. 24
Carter (Wm.) Co.	Pfd.	Q.	$1.50	Sept. 15	Sept. 10
Clorox Chemical Co.	.....	Q.	75c.	Sept. 25	Sept. 15
Coca-Cola International Corp.	Com.	..	$5.85	Oct. 1	Sept. 11
Dewey & Almy Chemical Co.	B pfd.	Q.	$1.75	Sept. 15	Sept. 11
Dewey & Almy Chemical Co.	Pfd.	Q.	$1.75	Sept. 15	Sept. 11
Eagle-Picher Lead Co.	Com.	..	10c.	Oct. 1	Sept. 15
Eagle-Picher Lead Co.	Pfd.	Q.	$1.50	Oct. 1	Sept. 15
Falconbridge Nickel Mines, Ltd.	.....	Q.	7½c.	Sept. 30	Sept. 8
Ferro-Enamel Corp.	Com.	..	75c.	Sept. 20	Sept. 10
Flintcote Co.	Com.	..	25c.	Sept. 25	Sept. 15
Glidden Co.	Com.	Q.	50c.	Oct. 1	Sept. 17
Glidden Co.	Com.	Ext.	30c.	Oct. 1	Sept. 17
Great Western Electro Chemical Co.	Pfd.	Q.	30c.	Oct. 1	Sept. 20
Gulf Oil Corp.	.....	..	25c.	Oct. 1	Sept. 15
Hercules Powder Co.	Com.	..	$1.50	Sept. 25	Sept. 10
Hickok Oil Corp.	A com.	Q.	25c.	Sept. 15	Sept. 10
Hickok Oil Corp.	B com.	Q.	25c.	Sept. 15	Sept. 10
Hinde & Dauch Paper Co.	Pfd.	Q.	$1.25	Oct. 1	Sept. 15
Hinde & Dauch Paper Co.	Com.	..	50c.	Sept. 30	Sept. 15
Horn (A. C.) Co.	7% pfd.	Q.	8¾c.	Sept. 28	Sept. 15
Horn (A. C.) Co.	6% pfd.	Q.	45c.	Sept. 28	Sept. 15
International Vitamin Corp.	CS	..	12½c.	Sept. 30	Sept. 10
Johnson (Mead) & Co.	Com.	Q.	75c.	Oct. 1	Sept. 15
Johnson (Mead) & Co.	Com.	Ext.	75c.	Oct. 1	Sept. 15
Katz Drug Co.	Pfd.	Q.	$1.12½	Oct. 1	Sept. 15
Kellogg (Spencer) & Co.	Com.	Q.	40c.	Sept. 30	Sept. 15
Kennecott Copper Corp.	.....	..	50c.	Oct. 1	Sept. 3
Kennecott Copper Corp.	.....	Spl.	25c.	Oct. 1	Sept. 3
Kerlyn Oil Co.	A com.	Q.	8¾c.	Oct. 1	Sept. 10
Merck & Co.	Pfd.	Q.	$1.50	Oct. 1	Sept. 15
Merck & Co.	Com.	..	25c.	Oct. 1	Sept. 15
Monroe Chemical Co.	Pfd.	Q.	87½c.	Oct. 1	Sept. 15
Mutual Chemical Co. of America	Pfd.	Q.	$1.50	Sept. 28	Sept. 16
National Gypsum Co.	7% pfd.	Q.	$1.75	Oct. 1	Sept. 20
National Gypsum Co.	5% pfd.	Q.	25c.	Oct. 1	Sept. 20
National Lead Co.	Com.	Q.	12½c.	Sept. 30	Sept. 10
Navarro Oil Co.	Com.	Q.	10c.	Sept. 30	Sept. 20
Nehi Corp.	Com.	..	$1.00	Oct. 1	Sept. 15
Nehi Corp.	Pfd.	Q.	$1.31¼	Oct. 1	Sept. 15
Niagara Alkali Corp.	Pfd.	Q.	$1.75	Oct. 1	Sept. 15
Norwich Pharmacal Co.	Com.	Ext.	50c.	Sept. 15	Sept. 4
Pennsylvania Glass Sand Corp.	$7 pfd.	Q.	$1.75	Oct. 1	Sept. 15
Pennsylvania Glass Sand Corp.	Com.	..	25c.	Oct. 1	Sept. 15
Ruberoid Co.	Com.	..	15c.	Sept. 30	Sept. 15
Signal Oil & Gas Co.	A com.	Q.	50c.	Sept. 15	Sept. 10
Signal Oil & Gas Co.	B com.	Q.	50c.	Sept. 15	Sept. 10
Staley (A. E.) Mfg. Co.	Pfd.	Q.	$1.25	Sept. 20	Sept. 10
Standard Brands, Inc.	Com.	Q.	20c.	Oct. 1	Sept. 13
Sunray Oil Corp.	Pfd.	Q.	68¾c.	Oct. 1	Sept. 10
Texon Oil & Land Co.	Com.	Q.	15c.	Sept. 30	Sept. 10
Tide Water Associated Oil Co.	Pfd.	Q.	$1.12½	Oct. 1	Sept. 10
United Carbon Co.	Com.	Q.	$1.00	Oct. 1	Sept. 15
United Carbon Co.	Com.	Ext.	50c.	Oct. 1	Sept. 15
United States Foil Co.	A com.	..	12½c.	Oct. 1	Sept. 15
United States Foil Co.	B com.	..	12½c.	Oct. 1	Sept. 15
United States Foil Co.	Pfd.	Q.	$1.75	Oct. 1	Sept. 15
U. S. Gypsum Co.	Com.	Q.	50c.	Oct. 1	Sept. 15
U. S. Gypsum Co.	Pfd.	Q.	$1.75	Oct. 1	Sept. 15

Corporation Earnings Recently Reported

	Period.	1937 Net income.	1937 Per share.	1936 Net income.	1936 Per share.
American Agricultural Chemical Co.	Yr. 6-30	$1,808,944	$8.86	$1,605,813	$4.71-
Archer-Daniels-Midland Co.	Yr. 6-30	2,967,296	5.03	1,891,612	3.05
Ashland Oil & Refining Co.	6 mos.	285,435	.29	341,128	.34
Atlantic Refining Co.	6 mos.	3,436,756	1.18	3,137,391	1.12
Chickasha Cotton Oil Co.	Yr. 6-30	*25,360	...	111,682	...
Coty, Inc.	6 mos.	152,181	.10	*7,925	...
Davison Chemical Corp.	Yr. 6-30	578,943	1.13	.....	...
Dewey & Almy Chemical Co.	6 mos.	288,001	3.46	.....	...
Fohs Oil Co.	6 mos.	807,346	7.35	.....	...
Hancock Oil Co. (Cal.)	Yr. 6-30	503,894	2.32	412,256	1.89
Healey Petroleum Corp.	6 mos.	312,002	3.65	202,888	1.49
Hecla Mining Co.	6 mos.	707,472	.71	360,096	.36
Johnson (Mead) & Co.	6 mos.	759,828	4.24	681,599	3.77
Katz Drug Co.	6 mos.	64,894	...	274,583	...
Kennecott Copper Co.	6 mos.	26,751,951	2.47	9,097,891	.84
McKesson & Robbins, Inc. (Md.)	6 mos.	1,750,272	.74	1,250,703	.35
Nehi Corp.	6 mos.	410,199	2.10	178,496	.71
Paraffine Cos.	Yr. 6-30	2,608,395	5.38	2,173,675	4.57
Phillips Petroleum Co.	6 mos.	12,679,080	...	.....	...
Republic Petroleum Co.	6 mos.	108,813	.29	88,443	.27
Revere Copper & Brass Co.	6 mos.	2,122,838	2.59	733,430	...
Reynolds Metals Co.	6 mos.	1,123,636	1.03	918,209	.81
South Penn Oil Co.	6 mos.	3,278,744	3.28	1,489,555	1.30
Standard Oil Co. (Ind.)	6 mos.	27,904,211	1.83	22,015,537	1.45
Standard Oil Co. (Kans.)	6 mos.	518,050	...	129,757	...
Sun Oil Co.	6 mos.	4,376,372	1.90	3,474,811	1.57
Sunray Oil Corp.	6 mos.	572,060	.27	261,172	.13
United Drug, Inc.	6 mos.	796,179	.57	1,513,842	1.11
Union Tank Car Co.	6 mos.	975,206	.81	821,706	.68
Vulcan Detinning Corp.	6 mos.	232,398	5.55	127,491	2.30
White (S. S.) Dental Mfg. Co.	6 mos.	264,458	.88	244,130	.92
White Rock Mineral Springs Co.	6 mos.	226,707	.73	261,315	.87

* Deficit.

Oils and Fats Taxes Lowered by Holland

Important alterations in the Dutch decrees governing the taxes on butter, margarin, fats and oils have been announced. In view of the increasing domestic consumption of butter the Government has decided to promote this consumption further by reducing immediately the levy on butter by 10 cents to 55 cents per kilogram.

The levy on fats and oils has been reduced by 5 cents per kilogram, while that on margarin has been fixed so as to reduce the manufacturers' selling price by 5 cents per kilogram.

The alterations of these imposts will be directly reflected in a lower consumption price. The Government hopes that oil and fat producers will also lower their prices.

The Government finally has decided to abolish the obligatory mixing of butter in margarin. The mixing percentage, at one time 40 percent, recently amounted to 10 percent. All these measures will lower the income of the Agricultural Crises Fund by approximately $4,000,000 per annum.

Current Market Quotations

(Continued from page 23)

Zinc, oxide, pigment, French process, green seal, bgs., c.l., dlvd..lb.	.08 - —
l.c.l., dlvd., except Pac. cst..lb.	.08¼- —
ex whse., Pac. cst.lb.	.08¼- —
bbls., c.l., dlvd.....lb.	.08¼- —
l.c.l., dlvd., except Pac. cst..lb.	.08½- —
ex whse., Pac. cst.lb.	.08½- —
red seal, bgs., c.l., dlvd. lb.	.07½- —
l.c.l., dlvd., except Pac. cst..lb.	.07¾- —
ex whse., Pac. cst.lb.	.07¾- —
bbls., c.l., dlvd.....lb.	.07¾- —
l.c.l., dlvd., except Pac. cst..lb.	.06¾- .08
ex whse., Pac. cst.lb.	.06¾- .08
white seal, bgs., c.l., dlvd. lb.	.08½- —
l.c.l., dlvd., except Pac. cst..lb.	.08¾- —
ex whse., Pac. cst.lb.	.08¾- —
bbls., c.l., dlvd.....lb.	.08¾- —
l.c.l., dlvd., except Pac. cst..lb.	.09 - —
ex whse., Pac. cst.lb.	.09 - —
Import., gold seal, cks., ex whse..lb.	.13 - .14
green seal, bbls., ex whse., lb.	.10 - —
white seal, cks., ex whse., lb.	.11 - .12¼
Oxide, USP, bbls., c.l.....lb.	.09½- —
Palmitate, bbls.....lb.	.23 - .25
Resinate, fused, pale, bbls...lb.	.10 - —
precip., dms., dlvd.....lb.	.15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb.	.20 - —
l.c.l., 1 ton.....lb.	.21 - —
1,000-2,000 lbs.....lb.	.22 - —
less than 1,000 lbs..lb.	.23 - —
USP, bbls.....lb.	.21 - —
Sulphate, cryst., bgs., c.l.100 lbs.	3.15 - —
l.c.l. .....100 lbs.	3.90 - —
bbls., c.l.....100 lbs.	3.30 - —
l.c.l. .....100 lbs.	4.00 - —
flake, bgs., c.l.....100 lbs.	3.00 - —
l.c.l. .....100 lbs.	4.35 - —
bbls., c.l.....100 lbs.	3.75 - —
l.c.l. .....100 lbs.	4.50 - —
powd., bgs., c.l.....100 lbs.	5.00 - —
l.c.l. .....100 lbs.	5.75 - —
bbls., c.l.....100 lbs.	5.15 - —
l.c.l. .....100 lbs.	5.90 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb.	.09 - —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb.	.09¼- —
bbls., c.l. (20 tons), dlvd..lb.	.09¼- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb.	.09½- —
Sulphocarbolate, NF, bbls..lb.	.24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs.	5.15 - —
l.c.l., works.....100 lbs.	5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb.	.05 - —
l.c.l., dlvd. except Pac. cst..lb.	.05¼- —
ex whse., Pac. cst..lb.	.05½- —
Zirconium nitrate, kgs., works.lb.	3.00 - 4.00
Oxide, crude, 73-75%, grd., bbls., works..ton.	75.00 -100.00
kgs., small lots, works..lb.	.04¼- .04½
white, 98%, grd., kgs., works. lb.	1.40 - 1.52

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the September 6 issue; the next printing will be in the October 4 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish, and Lacquer Materials Market, which begins on page 33.

Chemical Exports of United Kingdom Gain

During the first half of 1937 the United Kingdom exported chemicals valued at £12,586,595, against £10,273,039 in the first half of 1936. This healthy increase is fairly equally divided between empire and foreign countries. India, New Zealand, China, Japan, United States, Malaya, Argentina, Hong Kong, and the Scandinavian countries all contributed notably to the improved trade, but nearly all other important export markets record better figures.

Finished paints and dyestuffs, fertilizers and pharmaceutical products share with industrial chemicals in the expansion. The greatest increases, however, were recorded in such heavy chemicals as ammonia sulphate (increase of £329,042), copper sulphate (£127,311), manufactured fertilizers (£161,159), glycerine (£181,077), and cresylic acid (£118,081). Sales of finished products also made substantial headway in foreign countries where there is keen competition from other exporting countries.

Dewey & Almy Chemical Company stockholders have approved a revised plan for simplification of the capital structure, featuring a three-for-one split of the common stock.

KOSTER KEUNEN BEESWAX

IMPORT *Established 1931* EXPORT

Inspect our sunbleachery and our stock of over half a million pounds

SAYVILLE, N. Y.— about 50 miles from New York City

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Spermaceti Ceresine Red Oil Glycerine Stearic Acid

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Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Five-hundred-fifty-eighth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

4-Chlor-1-phenylbenzothiazole

Insecticide

Exterminant for—
Culicine mosquito larvae

Didecahydrobetanaphthyl Tartrate

Ceramics

Plasticizer (Brit. 432404) in—
Compositions, containing cellulose acetate or other cellulose esters or ethers, used as coatings for protecting and decorating ceramic products

Chemical

Plasticizer (Brit. 432404) for—
Cellulose acetate and other cellulose esters and ethers

Cosmetic

Plasticizer (Brit. 432404) in—
Nail enamels and lacquers containing cellulose acetate or other cellulose esters or ethers as base material

Electrical

Plasticizer (Brit. 432404) in—
Insulating compositions, containing cellulose acetate or other cellulose esters or ethers, used for covering wire and in making electrical machinery and equipment

Glass

Plasticizer (Brit. 432404) in—
Compositions, containing cellulose acetate or other cellulose esters or ethers, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

Glue and Adhesives

Plasticizer (Brit. 432404) in—
Adhesive compositions containing cellulose acetate or other cellulose esters or ethers

Leather

Plasticizer (Brit. 432404) in—
Compositions, containing cellulose acetate or other cellulose esters or ethers, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods

Metallurgical

Plasticizer (Brit. 432404) in—
Compositions, containing cellulose acetate or other cellulose esters or ethers, used as coatings for protecting and decorating metallic articles

Miscellaneous

Plasticizer (Brit. 432404) in—
Coating compositions, containing cellulose acetate or other cellulose esters or ethers, used for protecting and decorating various articles

Paint and Varnish

Plasticizer (Brit. 432404) in—
Paints, varnishes, lacquers, enamels, and dopes containing cellulose acetate or other cellulose esters or ethers

Paper

Plasticizer (Brit. 432404) in—
Compositions, containing cellulose acetate or other cellulose esters or ethers, used in the manufacture of coated papers and as coatings for decorating and protecting products made of paper or pulp

Photographic

Plasticizer (Brit. 432404) in making—
Films from cellulose acetate or other esters or ethers of cellulose

Plastics

Plasticizer (Brit. 432404) in making—
Laminated fiber products
Molded products
Plastics from or containing cellulose acetate or other cellulose esters or ethers

Resins

Plasticizer (Brit. 432404) in making—
Artificial resins from or containing cellulose acetate or other cellulose esters or ethers

Rubber

Plasticizer (Brit. 432404) in—
Compositions, containing cellulose acetate or other cellulose esters or ethers, used as coatings for protecting and decorating rubber goods

Stone

Plasticizer (Brit. 432404) in—
Compositions, containing cellulose acetate or other cellulose esters or ethers, used as coatings for decorating and protecting artificial and natural stone

Textile

Plasticizer (Brit. 432404) in—
Compositions, containing cellulose acetate or other cellulose esters or ethers, used in the manufacture of coated fabrics

Wood

Plasticizer (Brit. 432404) in—
Compositions, containing cellulose acetate or other cellulose esters or ethers, used as protective and decorative coatings on woodwork

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1'-Decahydronaphthyl-2-methylcyclohexanol Sulphonate

Building and Construction

Dispersing agent (Brit. 449607) in making—
Emulsified waterproofing preparations

Chemical

Dispersing agent (Brit. 449607) in making—
Emulsions of hydrocarbons
Emulsions of various chemicals
Textile lubricants in emulsified form
Wetting compositions in emulsified form

Cosmetic

Dispersing agent (Brit. 449607) in making—
Emulsified cosmetics

Disinfectant

Dispersing agent (Brit. 449607) in making—
Emulsified germicidal and disinfecting compositions

Dye

Dispersing agent (Brit. 449607) in making—
Emulsified color lakes

Fats, Oils, and Waxes

Dispersing agent (Brit. 449607) in making—
Emulsified boring oils
Emulsified drilling oils
Emulsified fat-splitting preparations
Emulsified fatty acids of animal or vegetable origin
Emulsified greasing compositions
Emulsified greasing and lubricating compositions containing various vegetable and animal fats and oils
Emulsified preparations of natural or synthetic waxes
Emulsified sulphonated oils
Emulsified wire-drawing oils
Emulsions of animal and vegetable fats and oils

Glue and Adhesives

Dispersing agent (Brit. 449607) in making—
Emulsified adhesive preparations

Ink

Dispersing agent (Brit. 449607) in making—
Emulsified printing and writing inks

Insecticide

Dispersing agent (Brit. 449607) in making—
Emulsified insecticidal and fungicidal compositions
Horticultural sprays

Leather

Dispersing agent (Brit. 449607) in making—
Emulsified compositions for softening hides
Emulsified dressing compositions
Emulsified fat-liquoring baths
Emulsified finishing compositions
Emulsified soaking compositions
Emulsified waterproofing compositions

Miscellaneous

Dispersing agent (Brit. 449607) in making—
Automobile polishes in emulsified form
Emulsified cleansing compositions
Emulsified compositions for cleansing painted and metallic surfaces
Emulsified degreasing compositions
Emulsified furniture polishes
Emulsified greasing compositions
Emulsified metal polishes
Emulsified penetrating compositions
Emulsified shoe polishes
Emulsions of various substances
Waterproofing compositions in emulsified form

Paper

Dispersing agent (Brit. 449607) in making—
Emulsified compositions for sizing paper and pulp products
Emulsified compositions for waterproofing paper and pulp compositions and paperboard
Waxing compositions in emulsified form

Petroleum

Dispersing agent (Brit. 449607) in making—
Emulsified cutting oils for screwpress and lathe work
Emulsified mineral oils
Kerosene emulsions
Naphtha emulsions
Petroleum pitch emulsions
Petroleum tar emulsions
Soluble greases in emulsified form
Solubilized emulsified oils and distillates
Textile oils in emulsified form, such as rayon oils

Soap

Dispersing agent (Brit. 449607) in making—
Emulsified detergents, containing soaps, used for various purposes
Emulsified hand-cleaning compositions containing soap
Emulsified textile soaps

Textile

Bleaching

Dispersing agent (Brit. 449607) in making—
Emulsified bleaching baths

Dyeing

Dispersing agent (Brit. 449607) in making—
Dye baths in emulsified form

Finishing

Dispersing agent (Brit. 449607) in making—
Emulsified coating compositions
Emulsified scouring compositions
Emulsified sizing compositions
Emulsified washing compositions
Emulsified waterproofing compositions
Emulsified waxing compositions

Manufacturing

Dispersing agent (Brit. 449607) in making—
Emulsified baths for the carbonization of wool
Emulsified baths for degumming and boiling-off silk
Emulsified baths for soaking silks
Emulsified bowking baths
Emulsified compositions used for degreasing raw wool
Emulsified fulling baths
Emulsified kier-boiling baths for cotton
Emulsified mercerization baths
Emulsified spinning compositions
Oil emulsions for various textile purposes

Printing

Dispersing agent (Brit. 449607) in making—
Emulsified printing pastes

Methylcyclohexylmethylcyclohexanol, Sulphonated

Building and Construction

Dispersing agent (Brit. 425239) in making—
Emulsified waterproofing preparations

Chemical

Dispersing agent (Brit. 425239) in making—
Emulsions of hydrocarbons
Emulsions of various chemicals
Textile lubricants in emulsified form
Wetting compositions in emulsified form

Cosmetic

Dispersing agent (Brit. 425239) in making—
Emulsified cosmetics

Disinfectant

Dispersing agent (Brit. 425239) in making—
Emulsified germicidal and disinfecting compositions

Dye

Dispersing agent (Brit. 425239) in making—
Emulsified color lakes

Fats, Oils and Waxes

Dispersing agent (Brit. 425239) in making—
Emulsified boring oils
Emulsified drilling oils
Emulsified fat-splitting preparations
Emulsified fatty acids of animal or vegetable origin
Emulsified greasing compositions
Emulsified greasing and lubricating compositions containing various vegetable and animal fats and oils
Emulsified preparations of natural or synthetic waxes
Emulsified sulphonated oils
Emulsified wire-drawing oils
Emulsions of animal and vegetable fats and oils

Glue and Adhesives

Dispersing agent (Brit. 425239) in making—
Emulsified adhesive preparations

Ink

Dispersing agent (Brit. 425239) in making—
Emulsified printing and writing inks

Insecticide

Dispersing agent (Brit. 425239) in making—
Emulsified insecticidal and fungicidal compositions
Horticultural sprays

Leather

Dispersing agent (Brit. 425239) in making—
Emulsified compositions for softening hides
Emulsified dressing compositions
Emulsified fat-liquoring baths
Emulsified finishing compositions
Emulsified soaking compositions
Emulsified waterproofing compositions

Miscellaneous

Dispersing agent (Brit. 425239) in making—
Automobile polishes in emulsified form
Emulsified cleansing compositions
Emulsified compositions for cleansing painted and metallic surfaces
Emulsified degreasing compositions
Emulsified furniture polishes
Emulsified greasing compositions
Emulsified metal polishes
Emulsified penetrating compositions
Emulsified shoe polishes
Emulsions of various substances
Waterproofing compositions in emulsified form

(To be continued)

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 12 Gold Street, New York

Agencies Wanted

NEW YORK FIRM with branches in principal cities — highest credit standing — selling raw materials to the paint, varnish and lacquer trade and to pharmaceutical and cosmetic firms, seeking additional sales representation. Manufacturing facilities available. BOX 385, Oil, Paint and Drug Reporter.

FIRM with headquarters in Cincinnati and covering Louisville, Dayton and Columbus, would be interested in representing producers of pigments, chemicals or other materials. BOX 395, Oil, Paint and Drug Reporter.

Equipment Offered

FROM THE $10,000,000 Spreckles liquidation—Three No. 4 Vallez rotary filters; 42-inch cast iron; 40 A. T. & M. 40-inch bronze basket centrifugal machines arranged in batteries of 3, 4, 6 and 8; 1 Swenson triple effect evaporator, copper tubes, 2,000 sq. ft. per effect; 120 motors, 5 h.p. to 150 h.p., 3 phase, 60 cycle, 220 volts; 150 tons valves and fittings; miscellaneous vacuum, centrifugal and steam pumps; compressors, engines; 9 Heine water tube boilers, 500 h.p. each, 180 lb. pressure, with Murphy automatic stokers; 50 bucket elevators; 150 steel storage tanks, 500 gals. to 10,000 gals.; 15 horizontal jacketed, closed mixing tanks, 5,000 to 10,000 gallons each; miscellaneous screw and belt conveyors, etc. Send us your inquiries. Arrange to visit plant. Consolidated Products-Spreckles Liquidation, Yonkers, N. Y. Telephone: Yonkers 2400.

FOR SALE.—Five roller mill, lead mixers, semi-paste mixers, roller mills, pony mixers, change can mixers, pebble mills, dry mixers. Day rapid sifter No. 3. We buy surplus machinery. BOX 384, Oil, Paint and Drug Reporter.

PEBBLE MILLS—20-25-75-1000 gallons capacity; jar mills, 1 and 4 gallon jars; 30 gallon pony mixer. Lawler Engineering Co., Durham avenue and L. V. R. R., Metuchen, N. J.

Factories Offered

CALCIMINE and whiting factory, located on Long Island City waterfront; approximately 75x230; for rent, including machinery; reasonable. Harry I. Stein, 551 Fifth avenue, New York.

BRICK FACTORY, 6,500 sq. ft., high one story, concrete floor, live steam 24 hours day, no columns, railroad siding, yard. Unrestricted district 15 minutes to Manhattan. Low rent. The R. L. Kraft Company, Woolworth Building. COrt. 7-9377.

Investment Offered

PAINT MANUFACTURER of outstanding non-competitive product seeks partner able to invest $10,000. BOX 406, Oil, Paint and Drug Reporter.

Materials Wanted

WILL BUY any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

Partnership Wanted

FIRST CLASS paint and varnish maker wants connection as partner with owner of small paint and varnish factory. Makes the best-selling flat white on the market, gloss, enamels, stipples and a full line. BOX 382, Oil, Paint and Drug Reporter.

Positions Vacant

OPPORTUNITY for man with some technical background for development and service work in enamelling and japanning. Knowledge of various methods of cleaning and applying desirable. Room for progress with a metropolitan New York manufacturer of wide reputation. Write fully of your qualifications. All communications held confidential. BOX 403, Oil, Paint and Drug Reporter.

Positions Vacant

OPPORTUNITY for man with technical background for development and service work on white enamels and white paints of all kinds. Room for progress with a metropolitan New York manufacturer of wide reputation. Write fully of your qualifications. All communications held confidential. BOX 404, Oil, Paint and Drug Reporter.

INKMAKER with technical background for development and service work on ink vehicles and inks for all kinds of printing processes. Opportunity for progress with a metropolitan New York manufacturer of wide reputation. Write fully of your qualifications. All communications held confidential. BOX 405, Oil, Paint and Drug Reporter.

FIRST-CLASS varnish maker wanted to take charge of varnish plant. State age, experience and salary expected. Paragon Paint & Varnish Corp., 5-49 46th avenue, Long Island City, N. Y.

Positions Wanted

PRACTICAL and technical paint and varnish maker wants position as plant manager or superintendent. Makes a very successful line of white goods, industrial finishes, and general line of paints and varnishes. Good tinter and production man. BOX 383, Oil, Paint and Drug Reporter.

LACQUERS and varnishes — graduate chemist now employed in pyroxylin development work. Age 23. Good schooling. Some cost calculating experience. I am looking for a job with a future. BOX 396, Oil, Paint and Drug Reporter.

YOUNG MAN, 37, graduate chemist, American, 15 years' practical experience, 10 years in charge of manufacturing plant producing coal tar products and chemicals, used to handling men, costs, etc. Open for position at moderate salary. BOX 398, Oil, Paint and Drug Reporter.

Positions Wanted

POSITION WANTED by ChE-ME, experienced in the fermentation of lactic acid from carbohydrates and refining it into crude 22.44% stock; edible 50 and heavy distilled 75, 80, 85% U.S.P. grades. BOX 397, Oil, Paint and Drug Reporter.

SALESMAN—Young man, age 31, college educated, ten years selling experience desires position as salesman, road or retail; good health and personality; experienced in paint, varnish and sundry road sales and retail management. Can produce results. Now located in Middle West. Proposition must be good. BOX 407, Oil, Paint and Drug Reporter.

EXPERIENCED MANUFACTURING paint executive, familiar with production, sales and general business management, seeks connection with an established organization located in the East. Best credentials furnished. BOX 379, Oil, Paint and Drug Reporter.

GRADUATE CHEMIST with laboratory and plant experience wants position in textile or chemical field. BOX 402, Oil, Paint and Drug Reporter.

PAINT and varnish chemist experienced in formulation and manufacture. BOX 408, Oil, Paint and Drug Reporter.

ANALYTICAL CHEMIST having public laboratory experience in oils (animal and vegetable), cosmetics, alcohols, milk, etc. BOX 409, Oil, Paint and Drug Reporter.

RESIN CHEMIST, eight years' experience in natural and synthetic resins, including molding powders, varnishes, friction materials, etc. BOX 410, Oil, Paint and Drug Reporter.

Surplus Stock

CHECK INVENTORIES. — Cash for any quantity surplus finished or raw material —chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, wastes and by-products. Entire plants bought. Chemical Service Corp., 233 Fourth avenue, New York, STuyvesant 9-0134.

REBUILT MACHINERY SELECTED ITEMS

10—Pebble Mills, porcelain and silex lined, 10 to 1,000 gals., some with roller bearings.
8—Colton Stokes & Mulford Tablet Machines, ¼" to 2" dia.
2—500 gal. Aluminum Jack. Agit. Kettles.
2—36" Tolhurst Extractors, rubber lined baskets.
10—Dry Powder Mixers, 100 lbs. to 2,200 lbs. capacity.
1—Colton No. 10 worm type Paste Filler.
5—Day Pony Mixers. 8, 15 and 40 gals.
8—Paste Mixers, 50 to 100 gals.
1—700 gal. Duriron Jack. Kettles, closed.
2—W. & P. Jack. Mixers, 200 gal., power tilting, sigma blades.
25—Filter Presses, 6" to 42" size.
3—Buffalo 32"x90" Double Drum Atmospheric Dryers.
2—W. & P. Jacketed Mixers, 100 gal., power tilting, heated sigma blades.
9—Devine and Buffalo Vacuum Shelf Dryers, assorted sizes.
8—Copper and Aluminum Jacketed Kettles, 175 to 400 gals.
9—Roller Mills 3x10 up to 16x40.

Miscellaneous; Dryers; Mixers; Filters and Filter Presses; Kettles; Pulverizers; Mills; Grinders; Tanks; Pumps; Boilers; etc. Send for our Bulletins.

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Plant: 335 Doremus Ave., Newark, N. J. Cable Address: Equipment

VACUUM PANS AT LIQUIDATION PRICES

One Vacuum Pan 7′ diameter with jacketed bottom; double internal 4″ heating coil; condenser; wet vacuum pan; One Vacuum Pan, same as above but 6′ diameter.

One Copper Vacuum Pan 42″ diameter; 5′4″ high; with jacketed bottom; tinned inside.

One Badger Copper Vacuum Pan 6′ diameter; jacketed bottom with internal coil; steam driven wet vacuum pump.

One sheet steel, lead lined Vacuum Pan, 8′ diameter; 10′ high; jacketed bottom; internal lead coil.

One Bethlehem Cast Iron Vacuum Pump 8′ diameter; 4′6″ deep; jacketed; cross blade type agitator; work gear drive.

Two Copper Stills 6′x5′6″; internal coil; belt driven bronze agitator.

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Road Oil Sales in 1936 Made 21 Percent Gain

Sales of road oil by petroleum refineries in the United States increased from 6,798,932 barrels in 1935 to 8,256,694 barrels in 1936, this result being brought about by the increased construction of the lighter types of highway, according to statistics compiled by the Bureau of Mines. However, says the Bureau, if the sales of road oil are taken in connection with sales of cutback asphalts, paving flux, and emulsified asphalts, a larger proportionate increase, 30 percent, was registered in the total sales of liquid and semi-liquid asphalts for highway construction—from 12,316,545 barrels in 1935 to 16,052,833 barrels in 1936.

Of the road oil sold in the United States in 1936, only 617,079 barrels, valued at $991,400, were made from foreign petroleum imported from Venezuela and Mexico.

Petroleum refineries in the United States reported the production of 7,397,868 barrels of road oil in 1936, compared with 6,030,491 barrels in 1935. The refinery output of road oil was augmented in 1936 by 1,096,583 barrels of other petroleum products, chiefly fuel oil, transferred to road oil stocks, compared with 1,399,656 barrels similarly transferred in 1935. Stocks of road oil and of transferred oils held at refineries increased from 739,605 barrels on December 31, 1935, to 851,035 barrels on December 31, 1936. Consumption of road oil at refineries in their own operations, transfers, losses, and adjustments took 126,327 barrels during 1936, compared with 555,457 barrels in 1935.

Electro Metallurgical Gets Power for Big Carbide Plant

The Electro Metallurgical Company, important subsidiary of the Union Carbide & Carbon Corporation, has contracted to purchase from the Tennessee Valley Authority a large block of industrial power which it proposes to use at a new plant to be located in the Wilson Dam, Alabama, area. The company reserves the right to cancel the contract within the next 90 days by payment of $5,000 to the authority. At the end of this period, unless the option is exercised, the contract will run for a period of 20 years.

The Electro Metallurgical Company and its associated companies manufacture calcium carbide and its derivatives, carbon and graphite products, and ferro alloys. Raw materials for these products are found in considerable quantities in the Tennessee Valley, and the availability of these materials will provide further development of the area's natural resources.

The contract requires that the authority be prepared to furnish as much as 40,000 kilowatts of power by 1941 should the company conclude to use this amount, and this maximum will bring a return to the authority of $750,000 a year.

Margarin Manufacturing Operations in July

According to figures reported to the Bureau of Internal Revenue, Washington, the margarin manufacturers' production in July, 1937, compared with July, 1936, as follows:—

	Pounds—July, 1937.	Pounds—July, 1936.
Total production of uncolored margarin	*26,058,872	†27,543,366
Total withdrawn tax-paid	26,792,028	27,182,987

* Of the amount produced, 17,541 pounds were reworked.
† Of the amount produced, 28,457 were reworked.

Ingredients used in the production of colored and uncolored margarin in July, 1937, compare with July, 1936, as follows:—

In Uncolored Margarin

	Pounds—July, 1937.	Pounds—July, 1936.
Babassu oil	1,117,950	1,288,728
Coconut oil	6,530,638	9,478,176
Corn oil	133,912	203,105
Cottonseed oil	9,261,091	7,595,521
Derivative of glycerin	78,366	82,274
Lecithin	1,971	1,476
Milk	4,707,581	5,220,081
Neutral lard	93,354	134,110
Oleo oil	807,735	1,574,734
Oleo stearin	285,064	233,075
Oleo stock	95,229	119,132
Palm oil	78,913	125,026
Palm kernel oil	962,853	269,279
Peanut oil	170,773	322,412
Salt	1,155,613	1,423,442
Sesame oil	.....	3,570
Soda benzoate	9,915	11,363
Soybean oil	1,962,234	1,277,318
Totals	27,453,192	29,382,822
Total production of colored margarin	156,413	151,389
Total withdrawn, tax-paid	41,876	40,818

In Colored Margarin

Babassu oil	5,305	192
Coconut oil	37,016	75,401
Color	193	119
Corn oil	28	.....
Cottonseed oil	20,450	16,231
Derivative of glycerin	299	252
Milk	35,345	37,831
Neutral lard	3,213	3,021
Oleo oil	22,382	26,551
Oleo stearin	562	950
Oleo stock	1,294	1,174
Palm oil	17,670	260
Palm kernel oil	8,698	.....
Peanut oil	55	1,981
Salt	12,062	10,534
Soda benzoate	156	30
Soybean oil	14,734	1,040
Totals	179,462	175,567

Amory Houghton, president of the Corning Glass Works, has been elected a director of the National City Bank of New York.

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